CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, May 20, 1909.

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CONSTRUCTION NEWS.

Plans and Specifications on File.

(denotes that this work is advertised in Engineering News.)*

The following plans (P.) and Specifications (S.) are on file (for reference only unless otherwise noted) at office of The Engineering News Publishing Co., 220 Broadway, New York.

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5-24*	Undergrade crossings, Louisville & Nashville R. R. ....(P. & S.)	4-29
5-24*	Dredging, Baltimore, Md.....(S.)	4-29
5-24*	Bridge, Newburyport, Mass...(S.)	5- 6
5-26*	Lock, Vicksburg, Miss.....(S.)	4- 1
5-27*	Barracks, Ft. Totten, N. Y..(P.)	4-29
5-27*	Dams, etc., Rock Island, Ill..(S.)	4-29
5-27*	Tunnel, Chicago, Ill....(P. & S.)	5-20
5-28*	Smoke stack, Atlantic City, N. J. .....(S.)	5-13
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6- 1*	Dredging, Baltimore, Md....(S.)	5- 6
6- 1*	Pipe and specials, Philippines. .....(P. & S.)	3-25
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6- 2*	Pipe, Springfield, Mass.....(S.)	5- 7
6- 5	Coal-conveyor system, Key West, Fla. .....(S.)	5- 6
6- 7	Dredging, Baltimore, Md....(S.)	5-20
6- 8*	Abutment, piers, etc., Wheeling, W. Va. .....(S.)	5- 6
6-10	Theater, Houston, Tex..(P. & S.)	5-20
6-10*	Jetty, Galveston, Tex.....(S.)	5-20
6-19	Dikes, Vallejo, Cal.....(S.)	5-13
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5-26* Heating, Madison Barracks, N.Y. 5- 6
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6- 1 Power plant, Bellefonte, Pa..... 5-20
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6- 8 Lighting, Vincennes, Ind..... 5-13
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5-27 Bridges, Malvern, Ark..... 5-20
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5-24* Intake pipe, etc., Chester, Pa.. 5- 6
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6- 1 *Gate-house, etc., Louisville, Ky.. 5-20
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6- 4* Cisterns, Fort Morgan, Ala..... 5-13
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5-24 Sewer, Las Animas, Colo..... 5-13
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5-24 Sewers, Washington, D. C..... 5-20
5-24 Sewers, Long Island City, N. Y... 5-20
5-26 Sewers, New Haven, Conn..... 5-20
5-26 Sewers, Richmond, Ind..... 5-13
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6- 1 Sewers, Clearwater, Fla..... 5-13
6- 2 Sewers, Brooklyn, N. Y..... 5-20
6- 4* Sewer, Louisville, Ky..... 5-20
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6- 9* Sewer, Toronto, Ont..... 5- 6
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5-21 Road impvt., Cleveland, Ohio.... 5-13
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5-21 Grading, etc., Chatfield, Ohio.... 5-20
5-21 Road work, Hartford, Conn..... 5-20
5-22 Sidewalks, Beloit, Wis..... 5-20
5-22 Turnpiking, Youngstown, Ohio... 5-20
5-22 Roadway, Fort Greble, R. I..... 5-20
5-22 Grading, etc., Westerville, Ohio. 5- 6
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5-25* Paving, etc., Clairsville, Ohio... 5- 6
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5-26 Paving, Titusville, Pa..... 5-20
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5-27* Grading, etc., Scottdale, Pa..... 5-13
5-27 Paving, etc., New York..... 5-13
5-28 Grading, etc., Fort Monroe, Va.. 5-13
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5-28 Paving, Greenville, Ohio..... 5-20
5-29 Grading, etc., Cleveland, Ohio.... 5-20
6- 1* Grading, etc., Pensacola, Fla. .. 5- 6
6- 1 Regulating, etc., New Brighton, N. Y. 5-20
6- 1 Drive extension, New York..... 5-20
6- 1* Curb, etc., Jackson, Tenn..... 5-13
6- 2* Grading, etc., Elmira, N. Y..... 5-20
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6- 7 Road, Brookville, Ind..... 5-13
6- 7 Road, Vernon, Ind..... 5-13
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6- 7 Grading, Lawrence, Kan..... 5-20
6- 8 Road, Vincennes, Ind..... 5-13
6- 8 Roads, Indianapolis, Ind..... 5-20
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5-22 Earth, Washington, D. C..... 5-13
5-22 Dry dock, Hawaii (U. S. Poss.). 3-25
5-22 Foundation, Washington, D. C.. 5-20
5-24* Dredging, Baltimore, Md..... 4-29
5-24* Undergrade crossings, Louisville & Nashville R. R. 4-29
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5-24* Dredging, Kenton, Ohio..... 5- 6
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5-26* Lock, Vicksburg, Miss..... 4- 1
5-26* Signals, towers, etc., Phila., Pa. 4-22
5-27* Dams, etc., Rock Island, Ill..... 4-29
5-27* Rubble stone, etc., New York.... 5- 6
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5-27 Fences, New York 5-13
5-27* Tunnel, Chicago, Ill. 5-20
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5-28* Smoke stack, Atlantic City, N. J.. 5-13
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6- 1* Dredging, Baltimore, Md..... 5- 6
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6- 2 Dredging, New York 5-20
6- 3* Dredging, Jacksonville, Fla..... 5-20
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6- 7 Dredging, Baltimore, Md..... 5-20
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6-10* Jetty, Galveston, Tex..... 5-13
6-14* Canal, Porto Rico (U. S. Poss.).. 5- 6
6-15* Light system, Ft. Totten, N. Y.. 5-20
6-16* Abutment, piers, etc., Wheeling, W. Va. 5-20
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5-24 Draftsman, Boston, Mass..... 4-22
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5-24 Draftsmen, Mare Island, Cal.... 4-22
5-24 Draftsmen, Puget Sound, Wash.. 4-22

RAILWAYS.

(denotes that this work is advertised in Engineering News.)*

ARNPRIOR & PONTIAC.—It is announced that "this company was organized to build a number of lines radiating from Fitzroy Harbor, Ont., to connect with large electric smelters, which the company proposes to build in connection with the hydraulic development of 110,000 HP. at Fitzroy Harbor. The lines will reach large deposits of iron ore in the immediate vicinity. The expenditures for these improvements will represent an investment of about $6,000,000." L. Simpson, of Valleyfield, Que., is the promoter and controls the water power. A. H. N. Bruce, Ottawa, is Ch. Engr. Noted on May 6.

AUGUSTA, GREGORY & SOUTHERN.—Company plans to let contracts in about three months for building its proposed line. It will run from Augusta to Gregory, Ark., nine miles and thence to a connection with the Great Northwestern R. R., about 4½ miles, a total distance of 13½ miles. The last 2½ miles, over bottom lands, will require trestle and embankment ten feet high. Harry N. Pharr, of Memphis, Tenn., is Engr.-in-Charge. J. L. Conner is Pres.; Alexander Campbell, Secy. and Treas. Other directors are Minor Gregory, Ed Roddy, I. J. Stacy, H. M. Woods, T. E. Bonner and R. K. Fitzhugh.

BANGOR & AROOSTOOK.—The State Board of Railroad Commissioners of Maine have granted this company authority to build three new branches. The first is to connect at Masardis and extend to Stockholm, a distance of 47 miles, entirely in Aroostook County. It is intended to pass through Ashland, Mapleton, Washburn, Wade and Perham. The second connection is between Fort Kent and St. Francis plantation, near the junction of the St. John and St. Francis Rivers, a distace of 15 miles. The third petition is for a new line from Fort Kent through Frenchville, Madawaska and Grand Isle to Van Buren, a distance of 40 miles. Of this total of 102 miles, about 80 miles will be built this season. Rights to build these lines have been granted by the legislature during the past six years, and the petitions indicate the intention of the company to proceed to their construction, probably in the near future, or as soon as locations are granted by the Commissioners. M. Burpee is Ch. Engr., Houlton, Me.

BUFFALO, ROCHESTER & PITTSBURG.—Contracts have been awarded to the WALSH CONSTRUCTION CO., of Davenport, Iowa, for revision work on the Clearfield & Mahoning division. As noted last week, this work is to be started immediately and will cost about $50,000. In addition to this work, the company has ordered material to be used in rebuilding about 15 bridges on that system. Appropriations for improvements on that road so far this year exceed the total expenditures of 1908.

CANADIAN NORTHERN.—Construction will be started at once on the branch from Camrose to Calgary, Alta., 125 miles.

It is stated that the company will shortly award a contract for the first 125 miles of the Vegreville, Alta., branch.

Company is now taking bids for the construction of 40 miles of the Shelbourne line in the vicinity of Prince Albert, Sask. M. H. McLeod is Gen. Mgr., Winnipeg, Man.

The Canadian Northern is making application to take over the charter of the Saskatchewan Northwestern Company. Application is being made to the Railway Commissioners for the amalgamation of the Alberta Midland Railway with the Canadian Northern Ry. This line will be built between Calgary and Edmonton, and between Calgary, Lethbridge and Macleod and will be approximately 500 miles long.

CANADIAN PACIFIC.—Plans for the extension of the Esquimalt & Nanaimo branch from French Creek to Alberni have been accepted by the Railroad Commission and construction will be started at once.

DOUSMAN & MARLBORO.—Incorporated in Wisconsin, with a capital stock of $25,000 to build a railway from Dousman, Wis., to Marlboro, about 6¾ miles. At Dousman the line will connect with the Madison division of the Chicago & North Western. The incorporators include. J. M. Pereles, T. J. Pereles, Jr., W. H. Lindwurm and H. Campbell, all of Milwaukee.

PEOLA & SNAKE RIVER RAILROAD & NAVIGATION CO.—Incorporated in Washington with $400,000 capital and headquarters at Tacoma, to operate a line from Dead Man's Hollow at the Snake River, Garfield County, Wash., southeast to Peola. W. Christian, of Tacoma, is interested.

*PHILADELPHIA & READING.—Bids will be received at the office of W. Hunter, Ch Engr., 520 Reading Terminal, Philadelphia, Pa., until noon, June 15, for Contract No. 9, masonry, trestle and embankment from the bridge at 17th and Indiana Sts. to the south side of Tioga St.; Contract No. 10, masonry, trestle and embankment from the south side of Tioga St. to the bridge over the Richmond Branch, P. & R. Ry.; Contract No. 11, bridges ready for ballast from 17th and Indiana Sts. to the bridge over the Richmond Branch, P. & R. Ry. Plans, specifications and blank forms for bidding may be obtained at 520 Reading Terminal.

Bids were received by W. Hunter, Ch. Engr., Philadelphia, on May 11, for construction of the work appurtenant to the abolishment of grade crossings on the P. G. & N. R. R. as follows: Contract No. 1, masonry, trestle and embankment from the south side of Green St. to the south side of Brown St.; Contract No. 2, foundations for the steel viaduct from the south side of Brown St. to the north side of Jefferson St.; Contract No. 3, bridges and viaduct ready for ballast from the south side of Green St. to the north side of Jefferson St.; Contract No. 12, masonry, embankment, paving, water and drainage systems, fence and gates, new office building, scale foundation, concrete steps and pavement for yard at Master St. The contracts have been awarded as follows: (1) JAMES McGRAW CO., Arcade Bldg., Philadelphia; (2) OWEN J. EVERS, Philadelphia; (3) McCLINTIC-MARSHALL, Park Bldg., Pittsburg; (12) OWEN J. EVERS.

TEMISKAMING & NORTHERN ONTARIO.—The company has decided to double-track its line between Cobalt and Haileybury, Ont., during the present summer, it is stated.

VIRGINIA.—The Honaker Lumber Co., of Honaker, Va., will let contract for 30 miles of railroad along Lewis Creek to timber lands and the coal fields in Buchanan County, Virginia.

WESTERN OF GEORGIA.—A charter has been granted to the Western of Georgia Railway Co., capital $500,000, to build a line 60 miles long connecting with the Atlanta, Birmingham & Atlantic Railway at Aberdeen, Ga., and running thence westerly to Newnan and Franklin to a point on the State boundary. Headquarters will be at Newnan. The incorporators are John W. Daniel, Hope H. Lane, Ben H. Tompkins, R. B. Mooty, R. M. Lifford, J. W. Ray, Robert C. Crane, James R. Daniel, W. B. Taylor, W. T. Goodson, A. W. Reeves, Frank R.

Lofton, P. T. McCutcheon, Ray Hearn, G. A. Adams and B. D. Whittaker, of Franklin; W. D. Ridley, L. F. Davxis, of Ridley, Heard County; W. A. Brannon, of Moreland, Coweta County; B. T. Thompson, I. N. Orr, Sr., Charles C. Parrott, H. C. Arnold, Sr., I. P. Bradley, J. J. Keith and W. C. Wright, of Newnan, Ga.

WEST POINT & HOUSTON.—This company has been authorized to build a line from West Point to Houston, Miss., 28 or 30 miles. J. A. McArthur, Pres.; J. F. Brinker, Vice-Pres.; L. T. Carlisle, Treas.; W. F. Lagrone, Secy. Other directors include J. M. Hardison, J. L. Smith, W. F. Walker, A. P. Fox, Wiley S. Keyes, J. M. White and Kyle Chandler.

ELECTRIC RAILWAYS.

SPRINGFIELD, MASS.—The Springfield St. Ry. Co. has passed upon itemized budget for improvements for the current year and, including new box cars, the total cost is estimated at $160,000. H. C. Page is Gen. Mgr.

PATCHOGUE (L. I.), N. Y.—The Suffolk Traction Co., which is controlled by the Suffolk Syndicate, has entered into a contract with the latter for the construction of an electric railway about 23 miles long, from Patchogue, on the Great South Bay, to Port Jefferson, on Long Island Sound, and from Islip along the south shore to Brookhaven, with trackage rights to Sayville. About one-half of the mileage, it is announced, will be owned in fee and the rest will be constructed on public highways under perpetual franchises. The Suffolk Syndicate has also acquired about two-thirds of the necessary private right-of-way for a railroad and an automobile road, and plans to construct a toll road about ten miles long connecting the public highways on the north and south sides of Long Island and intersecting the Long Island Motor Parkway, now under construction. T. S. Williams is Gen. Mgr., 85 Clinton St., Brooklyn.

NEW YORK, N. Y.—The decree of the United States Circuit Court directing the sale of the Third Ave. R. R. in the foreclosure suit of the Central Trust Co. has been filed. The sale will be held at the north main entrance of the County Court-House on Sept. 2, 1909, unless unforeseen exigencies make a change of date necessary. The claim of the trust company amounts to $37,560,000, which, with interest at the rate of four per cent. from July 1, 1907, makes a total of $40,381,173.

ANNAPOLIS, MD.—The Washington, Baltimore & Annapolis Ry. Co. may build an extension from Annapolis to Eastport, Md. J. N. Shannahan is Gen. Mgr., Baltimore, Md.

FAYETTEVILLE, W. VA.—The Fayette Ry. Co. has been reincorporated as the Fayette County Traction Co. Capital, $75,000. Preliminary survey has been made. Line will be three miles long. The directors are: Pres., L. D. Dacy, of Richmond, Va.; Vice-Pres., E. G. Blume; Treas., R. D. Vest; Gen. Supt., G. E. Nestor, all of Fayette, W. Va.; J. E. Tucker, of Petersburg, Va., is Secy.; Philip Conrad is Engr.

HICKORY, N. C.—The Hickory Elec. Ry. Co. will probably begin construction soon on its proposed railway which will connect Hickory, Catawba Springs, Newton, Brookford, Hildebran and Cliffs. Capital, $25,000 issued; $2,000,000 authorized. M. E. Thornton is Pres. and Gen. Mgr.; L. B. Buchanan, Vice-Pres.; B. F. Campbell, Secy.; C. M. Blalock, Treas.

ELIZABETH CITY, N. C.—The Elizabeth City & Albemarle Railway Co. proposes to build an electric line here. C. E. Kramer is Pres.; E. V. Davenport, Vice-Pres.; H. G. Kramer, Secy. and Treas. Directors: D. G. Wilson, C. H. Robinson, J. B. Flora and Elisha Lister.

LAKE CHARLES, LA.—The Lake Charles Railway, Light & Water-Works Co. has been chartered. The company proposes to acquire the Lake Charles Street Railway and to build and operate street railways and tramways at any point in the state of Louisiana. The directors are J. A. Landry, Pres.; Thompson J. Byrd, Vice-Pres.; Daniel J. Landry, Treas.; Paul O. Moss., Secy., and Arsene P. Pujo. Capital, $200,000. Headquarters at Lake Charles.

MEMPHIS, TENN.—The Memphis, Covington & Northern Ry. Co. will build an electric railway to connect Memphis, Millington, Mumford and Covington. No definite arrangements have been made in respect to the furnishing of power. G. B. Gillespie, Covington, is Pres.; J. B. Witherington, Mumford, Vice-Pres.; J. T. Garner, Covington, Secy.-Treas.

COLUMBUS, OHIO.—S. S. Wyer, Consulting Engr., Harrison Bldg., Columbus, Ohio, is reported to have been retained to make a thorough investigation and prepare a detailed report on the feasibility of installing gasoline engine driven motor cars on an Ohio traction line now being financed. Every commercial type of car will be investigated and, if the report is favorable, ten heavy motor cars will be purchased and installed this season.

The Columbus, Plain City & Urbana Traction Co. has been incorporated for the purpose of building an electric railway to connect Columbus and Urbana, by way of Plain City. Capital stock $10,000. Incorporators: Charles E. Heath, W. L. McVey, Randolph Walton, Frank E. Ruth and Herbert Myers.

DEFIANCE, OHIO.—The Defiance, Napoleon & Wauseon Ry. Co. has been incorporated for the purpose of building a railway, to be operated by electricity or steam, between Wauseon and Defiance. Capital stock, $1,000. Incorporators: Charles S. Bennett, J. Walter Bennett, Jay H. Miller, W. W. Campbell and Henry Rohrs.

FORT WAYNE, IND.—The Toledo, Defiance & Fort Wayne Elec. Ry. Co. will commence construction soon. The line will be 45 miles long, and it will follow the old canal bed for the greater part of the way and will parallel the Wabash R. R. from Defiance to Cecil, and for 18 miles east of Fort Wayne will parallel the New York, Chicago & St. Louis R. R.

NEWCASTLE, IND.—The American Pipe & Construction Co. was the only bidder for the completion of the Indianapolis, Newcastle & Toledo Ry., at $446,500. Noted fully on April 22.

INDIANAPOLIS, IND.—The Short Line Traction Co. has been incorporated in Indiana to build an interurban line from the city limits of Indianapolis, Ind., to Beech Grove. This line is being built largely to accommodate traffic to and form the shops of the Cleveland, Cincinnati, Chicago & St. Louis Ry. The incorporators include: J. F. Webber, F. J. Edenharter and G. F. Mull, of Indianapolis.

*CHICAGO, ILL.—Bids are asked until noon, May 27, by tht Chicago Railways Co. for reconstruction of the Washington St. tunnel, between Clinton St. and Canal St. The work in general includes the removal of the present tunnel approaches, etc., and constructing a reinforced concrete tunnel approximately 70 lineal feet, 250 feet of retaining walls, etc., necessary to complete part of a proposed street railway tunnel. The excavation ranges from the street grade to about 40 feet below said grade, all of which excavation will have to be made in "open cut." All work is to be let in one contract. Plans and specifications are on file for reference at office of Engineering News, New York. The plans for the lowering and reconstruction of the three street railway tunnels under the Chicago River were described and illustrated in Engineering News in the issues of Sept. 13, 1906, and March 7, 1907.

DOUSMAN, WIS.—The Dousman & Marlboro R. R. Co. has been incorporated for the purpose of constructing an electric railway 6¾ miles long, from Dousman to Marlboro. Capital stock, $25,000. Incorporators, James M. Pereles, Thomas J. Pereles, Mason Pereles, Jr., William H. Lindwurm and Henry Campbell.

GRAND RAPIDS, WIS.—The Grand Rapids St. R. R. Co. will build a railway line connecting Grand Rapids, Port Edwards and Nekoosa, a distance of about seven miles. Neal Brown, Wausau, Wis., is Pres.; L. M. Nash, Vice-Pres.; G. M. Hill, Secy.; F. J. Wood, Treas., all of Grand Rapids. Capital stock authorized and issued, $125,000.

SIOUX CITY, IOWA.—The projectors of the Sioux City, Climbing Hill & Ida Grove Electric Ry. have engaged Robert H. Baldwin, Locating and Constructing Engr., of Chicago, to examine the route proposed by the promoters, who are heavy cattle shippers in a district without adequate facilities for reaching the market. Upon the completion of his report a permanent organization will be effected and a final location made. Land for the right-of-way is guaranteed free. The engineer's present address is at Climbing Hill, Iowa.

BRECKENRIDGE, MINN.—Joseph Gunn, Breckenridge, and his associates, are interested in plan to construct a railway between Breckenridge and Wahpeton, N. Dak.

SIOUX CITY, S. DAK.—The South Dakota Interurban R. R. Co. has been incorporated to construct an electric railway from Sioux City to Bijou Hills, 160 miles. Headquarters, Centerville, S. Dak. Capital stock, $1,000,000. Directors, William E. Miller, Fred E. Graves, Ralph W. Thwing and Charles E. Todd, of Bijou, and George A. Miller, of Academy.

ROGERS, ARK.—The Rogers, Pea Ridge & Northern Interurban Ry. Co. has completed the preliminary survey for its proposed 20-mile electric railway. Construction work will be under way soon. It will connect Rogers and Pea Ridge, 10 miles north, also Diamond and Electric Springs. Articles of incorporation are now being prepared. It is the intention to erect a power plant and a repair shop at Rogers. A. R. Potter, Rogers, is Pres.; J. F. Walker, Rogers, First Vice-Pres.; W. T. Patterson, Pea Ridge, Second Vice-Pres.; Bryan Snyder, Rogers, Secy.; J. J. Putman, Pea Ridge, Treas. Noted on April 8.

ROCKDALE, TEX.—The Rockdale-Florence Interurban R. R. Co' has been organized. Survey will be made immediately for about 60 miles over a comparatively level country. H. C. Meyers is Pres.; Leonard Isaacs, Vice-Pres.; C. L. Tanner, Secy., and W. L. Baird, Corresponding Secy. and Treas.

TACOMA, WASH.—The City Council has voted to grant a franchise to A. P. Gillies for subways for the Imperial Building Union Depot project. The scheme will cost $20,000,000.

OGDEN, UTAH.—David Eccles, of Ogden, is interested in a project to build a street railway in Logan this summer. He is now negotiating with the Telluride Power Co. for power.

VANCOUVER, B. C.—The English directors of the British Columbia Electric Street R. R. Co. have voted $2,500,000 to be spent this year on extensions to the system. R. H. Sperling is Gen. Mgr., Vancouver, B. C.

LIGHT AND POWER PLANTS.

(denotes that this work is advertised in Engineering News.)*

NORTH ANDOVER, MASS.—We are officially advised that plans for a power plant for W. T. Stevens & Sons Co., North Andover, Mass., have been completed by Charles T. Main, Mill Engr. and Arch., 45 Milk St., Boston. The plant is to consist of turbine-generator, boiler and pump rooms, with coal pocket in the rear. The walls are to be of brick. In the 25 x 50-ft. turbine room will be installed a 360-KW. Westinghouse turbine generator with twe exciters and a motor driven Le Blanc condenser. The boiler room will be 40 x 50 ft. and equipped with two H. R. T. 72-in. Bigelow boilers with forced draft. Space is provided for a duplicate boiler installation. The pump room is to contain both the boiler feed pump and a 1,000-gallon fire pump. The stack is to be of brick 150 ft. high with 6-ft. flue.

BOSTON, MASS.—Bids will be received by Lieut.-Col. Edward Burr, Corps Engrs., U. S. A., until noon, June 14, for electrical cable.

HOLYOKE, MASS.—The C. E. Pope Mfg. Co., of this city, has purchased the water power and property at Stoneville and will build a concrete dam across Miller's River there, also erect a power-house on the Wendell side of the river and a 3-story brick building on the Erving side on the site of the old car barn. The company expects to make toilet paper, tissue paper and paper napkins.

PROVIDENCE, R. I.—We are officially advised that the Hydraulic Properties Co., of Providence, R. I., have awarded the exclusive agency for all construction of Ransom & Hoadley's reinforced-concrete dams, to FRANK B. GILBRETH, 60 Broadway, New York.

POUGHKEEPSIE, N. Y.—The PETER KEELER BUILDING CO., 464 Orange St., Albany, N. Y., has secured contract for constructing power-house for Hudson River State Hospital at Poughkeepsie, for $47,900.

KINGS PARK (L. I.), N. Y.—The ROSSBUSH CO., New York, has secured contract for power-house for the Kings Park Hospital at $44,747, and BLISS & GRIFFITHS, 225 Fifth Ave., New York, for the laundry, at $43,279.

*FORT TOTTEN, N. Y.—Bids are asked until 2 p. m., June 15, by the Constructing Quartermaster, Fort Totten, for the construction of electric lighting system at Fort Totten, N. Y.

NEW YORK, N. Y.—See item under Buildings.

NEW YORK, N. Y.—Bids are asked until 11 a. m., June 1, by C. B. J. Snyder, Supt. School Bldgs., Dept. of Education, for installing electric equipment in the additions to and alterations in Public School No. 84, on the southerly side of Glenmore Ave., between Watkins St. and Stone Ave., Boro. of Brooklyn; for additions to and alterations in Public School No. 14, Board and Brooks Sts., Stapleton, and Public School No. 18, Broadway, West New Brighton, Boro. of Richmond.

SENECA FALLS, N. Y.—The Geneva, Waterloo & Cayuga Lake Traction Co. will build an auxiliary power plant at Cayuga Lake Park, N. Y., to be equipped with a 200-KW. generator and a 200-HP. ball engine. W. C. Gray is Mgr., Seneca Falls, N. Y.

ORANGE, N. J.—The citizens have voted in favor of constructing a municipal electric lighting plant. F. T. Crane is City Engr.

IRWIN, PA.—The Directors of the Manor Valley Ry. Co. have decided to erect a power plant to supply power for the electric line now being built, and to supply electric light and power to manufacturing interests, business houses and private residences. It will be decided within a week or so whether a steam or gas engine-driven plant will be built, immediately after which plans for the plant will be prepared, and bids asked. The company will bid on the borough lighting contract, which just expired.

BELLEFONTE, PA.—Bids are asked until 2 p. m., June 1, by the Borough of Bellefonte, for constructing or supplying concrete dam, races, water-wheel, generator, reconstruction of power-house building, transmission line, motor-driven pump, etc., for the municipal electric power plant for the Borough of Bellefonte. D. C. & William B. Jackson are Engrs., 84 State St., Boston, Mass.; G. F. Musser is Chn.

BALTIMORE, MD.—Contracts for conduits for the Subway Commission were awarded by the Board of Awards on May 5, as follows: GREAT EASTERN CLAY CO., New York, N. Y., for terra cotta conduits, comprising about 1,000,000 ft., at about $60,000, and an additional 100,000 ft., to cost about $10,000, was divided between the AMERICAN CONDUIT CO. and the FIBER CONDUIT CO.

RICHMOND, VA.—Contracts for constructing the municipal electric light and power plant on site of old pump house have been awarded as follows: Electric generators, switchboards, wiring and 1,000 arc lamps, to GENERAL ELECTRIC CO., Schenectady, N. Y., at $96,592; reconstruction of electric building to E. C. WOODWARD, at $5,640; to BERGDALL & PAULING, for steel and iron work and traveling crane, to be delivered and erected, at $7,750; concrete work, construction and reconstruction of the electric plant building, foundations and the excavation of the tale races, awarded to A. W. McCLAY & CO., at $48,669; to S. MORGAN SMITH CO., for turbine water-wheel and governor, at $15,250; impulse water-wheel, to the ELECTRIC CONSTRUCTION CO., of Virginia, at $735; to COLDWELL-WILLCOX CO., for intake gates and thimbles, $7,280; trash gates, to the S. MORGAN SMITH CO., $925; two water-tube boilers, to BABCOCK & WILLCOX CO., $9,928; pipe railings, to A. W. McCLAY & CO., $610; to H. R. HEINCKE, for perforated 8-ft. brick chimney, for $2,999, and to S. MORGAN SMITH & CO., for turbines, $15,250, and trash racks, $925. Bids for steam and water piping and pipe coverings were rejected.

MARSHALL, N. C.—C. E. Waddell, Engr. for the North Carolina Electrical Power Co., of Asheville, has completed the survey for the proposed development on the French Broad River near Marshall. Cost, $450,000.

MOUNT OLIVE, MISS.—The Town Council is reported to have awarded contract for installing electric light plant to X. KRAMER, of Hazlehurst, Miss.

SHREVEPORT, LA.—The Busch-Everett Co., A. J. Mercer, Shreveport, La., local representative, has let contracts to HARPER & McCANN, Shreveport, La., to drill 50 gas and oil wells on its property in Caddo and Bosier Parishes, La. This company owns and has under lease over 200,000 acres of land in these parishes. It has secured a franchise to furnish the city of New Orleans with natural gas and has ... wells to get the gas and ... work on the pipe line to ... 200 miles distant. ...menced to drill ...oon commence ...rleans, about ...

AKRON, OHIO.—Bids ... 2, by the Board Public S... ing material, including ... for lighting the city for ... years; bids to provide for ... descent gasoline lamps ... gas lamps, each of 70 c. p. ... Secy. ...ed until June ... for furnish... and fixtures ...riod of five ... more incan... or more ... Hamlin is

SPRINGFIELD, OHIO.—... the Springfield Light & P... chased the Smith property ... proposed plant, to cost abo... contract for a 2,700-HP. s... generator has been awarde... ERAL ELECTRIC CO., ... N. Y. Other contracts will ... J. L. Zimmerman is Pres. ...stated that ... has pur... site for its ...000. The ...urbine and ... the GEN... henectady, ...t at once.

NATIONAL MILITARY HO... OHIO.—W. H. Ortt, Treas. Central Bra... N. H. D. V. S., has awarded contract ... the BAB... COCK & WILCOX CO., Sin... York, N. Y., for two boilers ... ilding., New ... the power plant, at $11,985. ...okers for

FORT WAYNE, IND.—The ... contract for construction of gas lines ... ween Fort Wayne, Bluffton and Decatur has been awarded by the Indiana Light ... to the OSCAR J. CURRENT CONSTR... TION CO., of Redkey, Ind.

LIGONIER, IND.—Lyon & ... nsleaf, of Ligonier, have secured franchise ... an electric lighting plant. They will ... all complete plant, generators, switchboard, overhead lamps, etc.

DALE, IND.—The Dale Gas ... recently incorporated, will soon ask for ... for the erection of a gas producing plant and all necessary appliances. Adam Wallace, J. W. Ladd and J. W. Cooper are incorporators.

MATTOON, WIS.—F. C. Duchac & Co., of Antigo, Wis., have been awarded a franchise to install an electric lighting plant in the village of Mettoon, Wis.

GRINNELL, IOWA.—The contract for the construction of the O. B. Mathews gas plant has been let to the AMERICAN CONSTRUCTION CO., with which G. F. Ault, of Newton, is connected. The contract calls for 11½ miles of mains. The work of laying them and of constructing the plant will begin soon, and the contract calls for the completion of the whole outfit by Sept. 1.

FERGUS FALLS, MINN.—The Dayton Hollow Power Co. is considering the extension of its lines to Mooreton, Wyndmere, De Lamere, Milnor, Gwinner and Oakes, N. Dak.

MARION, KAN.—We are officially advised that bonds for $60,000 have been voted for constructing a municipal lighting plant here. Burns & McDonnell, Scarritt Bldg., Kansas City, Mo., are preparing plans.

MADISON, S. DAK.—Bids are asked by William Rae, City Audr., until May 21 for improving the electric light plant, to cost about $20,000.

FORT D. A. RUSSELL, WYO.—The following are the bids received by Capt. V. K. Hart, Constr. Q. M., U. S. A., Cheyenne, Wyo., for remodeling electric lighting system, including construction of a building for transformer sub-station at Fort D. A. Russell: (a) primary lines, etc., (b) switchboard and tungsten lamps, (c) watt meters and transformers, (d) watt meters, (e) transformers, (f) wiring drill hall, (g) construction of sub-station building: Northwestern Electric Equipment Co., St. Paul, Minn., (a) $27,361, (f) $678; Jacob Fischer, Denver, Colo., (a) $28,757, (b) $4,275, (c) $2,935; (g) $427; F. E. Newbery & Co., St. Louis, Mo., (a) $25,057, (b) $4,211, (d) $75, (e) (four bids), $2,000 to $2,690, (f) $521, (g) $3,150; William A. Corrao Electric Co., St. Louis, Mo., (a) $26,000, (b) $4,375, (d) $95, (e) (three bids), $2,125 to $2,800, (f) $505, (g) $3,400; Moloney Electric Co., St. Louis, Mo., (e) $1,850; General Electric Co., Denver, Colo., (d) $51.96, (e) $2,042; Electric Appliance Co., Chicago, Ill., (d) $43.30, (e) $2,276; Robert E. Harrington, Denver, Colo., (d) $63, (e) $2,089; Atkinson Bros., Colorado Springs, Colo., (g) $4,500.

AMARILLO, TEX.—Frank A. White, Receiver of the Amarillo Water, Light & Power Co., proposes to construct a 400-HP addition to present plant; also to improve the water and light plant in general.

SANTA ROSA, CAL.—A contract has been let by the Snow Mountain Water & Power Co., to G. W. NELSON for the construction of 17.58 miles of electric line from the Fulton line of the company to Guerneville, for $300 a mile.

VALLEJO, CAL.—Bids are asked by R. C. Holyday, Ch. of Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 a. m., June 26, for furnishing and installing eight boilers with oil burners, flues, superheaters, and stack at Navy Yards, Puget Sound, Wash., and Mare Island, Cal.

SALT LAKE CITY, UTAH.—The Utah Light & Ry. Co. has awarded the ALLIS-CHALMERS CO., of this city and Milwaukee, an order for a duplicate of the 1,250-KW. motor generator manufactured for the company last winter, the cost being $21,000.

LOGAN, UTAH.—The Board of Trustees of the Utah Agricultural College, Lorenzo M. Stohl, Salt Lake City, Pres., has decided to erect an electric light and power plant at the college, which is located at Logan, to cost $20,000.

PROVO, UTAH.—J. H. Wootton, of Utah County, Utah, is in the market for 1,500 ft. of steel pipe, ranging in size from 18 to 30 ins. in diameter, for the use of the Utah County Light & Power Co., which is at present constructing a large power-house in Alpine Canyon, Utah.

ST. GEORGE, UTAH.—A. H. Ensign is Pres., George Z. Edwards Vice-Pres., R. J. Evans Secy. and Treas., and B. F. Slusser Mgr. of the newly organized St. George Electric Co., with headquarters at 207 D. F. Walker Bldg., Salt Lake City, Utah. The company has secured a 25-year franchise for

lighting ligh and power in the city of St. Charge. Const ction work on the plant will be started imm diately.

SANDPOINT, IDAHO.—J. F. Reynaud, Mgr. of the N rth Idaho & Montana Power Co. has decid d to double the capacity of the company's plant at this town this summer, increasi the horsepower from 600 to 1,200. The p sent plant is to be replaced with a brick building at an approximate cost of $15,0 and the company contemplates installi $30,000 worth of additional machinery.

TORONTO, NT.—The Board of Control on May 7 awarde contracts as follows for cables and conduits or the city's electrical distribution plant, o cover the southern portion of the city fr m Dufferin St. to the Don and south of Quee St.: For cables, to the BRITISH INSULATED & HELSBY CABLES, LTD., Prescot, England, from 20 cts. to $1.34 per ft., according to the different sizes and voltages from 75,000 to 100,000 ft. of cable will be used; contracts for conduits to the AMERICAN SEWER PIPE CO., of Akron, Ohio, at 4.7 cts. per ft. The single-duct conduit will be used. K. L. Aitken is City Electrical Engr.

LONDON, ONT.—E. I. Sifton, City Engr., will call for bids soon for poles, wires, cross-arms and insulators for the power distribution service.

MOOSE JAW, SASK.—Bids are asked until noon, May 31, for the sinking of a test well for gas, oil or water. J. D. Simpson is City Clerk.

LETHBRIDGE, ALTA.—The ratepayers have voted in favor of spending $132,000 for an electric light and power plant.

NEW WESTMINSTER, B. C.—The Vancouver Power Co. is to build a 60-ft. dam at Coquitlam Lake for power purposes. Cost, $400,000.

BRIDGES.

(denotes that this work is advertised in Engineering News.)*

FALMOUTH, ME.—The town on May 1 voted in favor of the construction of an iron bridge at the Falls.

BERLIN, CONN.—The Selectmen have awarded contract for the construction of the Skinner bridge, so called, to JOHN E. DOWNS, of New Britain. Other bidders were: Connecticut Contracting Co. and Eveline Bros., New Britain, and J. E. Kerns, Meriden.

OLD LYME, CONN.—A bill has passed the Senate authorizing the Governor to appoint a commission of three to secure plans and specifications and contract for the construction of a draw-bridge over Connecticut River between old Lyme and Old Saybrook, cost not to exceed $500,000, and to be operated by the State as a toll bridge.

SYRACUSE, N. Y.—The city will build a reinforced-concrete bridge over Onondaga Creek at Tallman St. Estimated cost, $14,000. Henry C. Allen is City Engr.

LONG ISLAND CITY (L. I.), N. Y.—J. W. Stevenson, Comr. of Bridges, New York, has submitted to the Board of Estimate and Apportionment plans and specifications for a Scherzer type of roller lift bridge to be built over Dutch Kills Creek, at Hunter Point Ave., Long Island City, in pursuance of a resolution passed by the board appropriating $110,000 for the construction of a bridge at that point. Noted April 22.

HACKENSACK, N. J.—The Board of Chosen Freeholders on April 26 opened bids for constructing a steel bridge over Berry's Creek on Paterson Plankroad, as follows: F. R. LONG CO., Hackensack, $69,720 (awarded contract); A. E. Sanford Co., $72,500; Schwiers, Sutton & Co., $74,300.

BANGOR, PA.—We are officially advised that the UNION BRIDGE CONSTRUCTION CO., 80 Wall St., New York, has been awarded contract by the County Commissioners for a reinforced-concrete girder bridge over Brushy Meadow Creek. Bids were opened on April 30.

PITTSBURG, PA.—Bids will be received until 10 a. m., June 2, at the office of the City Controller, for rebuilding the river piers, the erection of false work for supporting the superstructure and general repairs to the South 22d St. bridge. Jos. G. Armstrong is Dir. Pub. Wks.

CLEARFIELD, PA.—The Buffalo, Rochester & Pittsburg R. R. Co. has awarded the PENNSYLVANIA STEEL CO., Steelton, Pa., the contracts for furnishing 15 new bridges that will be built on the Clearfield division to replace present structures. The contract aggregates about 6,000 tons of structural material, and deliveries will begin early in June.

MARIANNA, PA.—The Donora Improvement Co., which laid out the town of East Marianna adjoining this place, has awarded the contract for a concrete bridge to DONAHOE BROS. It will be built of concrete blocks.

POINT MARION, PA.—The contract for the two retaining walls and the two wing walls on the Springhill side of the proposed new Point Marion bridge has been awarded to LOUIS COSTEY, of Vanderbilt, Pa., at 38 cts. per cu. yd. for excavating; $5.25 per cu. yd. for concrete; $7 per cu. yd. for stone masonry; $2.75 per cu. yd. for riprap; $3 per cu. yd. for rubble, and $7 per cu. yd. for concrete coping. This was the lowest of the four bids submitted. The total of the contract is $10,000.

*PHILADELPHIA, PA.—Bids are asked until noon, June 15, by W. Hunter, Ch. Engr., Philadelphia & Reading Ry. Co., Reading Terminal, Philadelphia, for construction of work appurtenant to the abolishment of grade crossings on the P. G. & N. R. R., Contract No. 9, masonry, trestle and embankment from the bridge at 17th and Indiana Sts. to the south side of Tioga St.; Contract No. 10, masonry, trestle and embankment from the south side of Tioga St. to the bridge over the Richmond Branch, P. & R. Ry.; Contract No. 11, bridges ready for ballast from 17th and Indiana Sts. to the bridge over the Richmond Branch, P. & R. Ry.

WILMINGTON, DEL.—The Baltimore & Ohio R. R. Co. contemplates constructing a stone bridge over Brandywine Creek here.

LEIPSIC, DEL.—Contract for constructing a steel bridge over the Leipsic River has been awarded to the CANTON BRIDGE CO., of Canton, Ohio, at $7,164.

HAGERSTOWN, MD.—The Washington County Commissioners have awarded contract to the NELSON MERRYDITH CO., Chambersburg, Pa., at $3,485, for constructing a reinforced-concrete extension to the east end of stone bridge over Antietam Creek at Rowlands Mills.

SPARTANBURG, S. C.—Bids are asked by Spartanburg County until May 22 for constructing the Wofford bridge over the creek near the Enoree River. Bids will be received on both wood and steel structures. D. M. Miles is County Superv.

YORKVILLE, S. C.—York and Cherokee counties have awarded contract to the ROANOKE BRIDGE CO., Roanoke, Va., for constructing a steel bridge across the Broad River, two spans, 380 and 180 ft. long, at $9,500.

BENTON, TENN.—Polk County has issued $25,000 of bonds for the construction of bridges and roads. James H. Williamson is Chn.

FREMONT, OHIO.—Bids are asked until May 31 by the County Commissioners for constructing steel bridge with creodone floor over Muscalonge Creek in Jackson Township.

CINCINNATI, OHIO.—Bids will be received until June 4 by the Board County Commissioners, Fred. Dreihs, Clk., for concrete bridge on Banlisk Road, Colerain Township, as per specification No. 862.

FINDLAY, OHIO.—Bids are asked until noon, May 29, by John A. Sutton, County Audr., for material and labor for constructing reinforced-concrete bridge over Hagerman Run in Marion Township.

ELKHART, IND.—The Hackadorn Contracting Co., of Indianapolis, submitted the lowest bids on May 4 for constructing eight county bridges, at $16,211.

INDIANAPOLIS, IND.—Bids will be received until June 7 by the Board of Public Works for the construction of two bridges, one across Pleasant Run in Emerson Ave., and one across the canal at 30th St. Blaine H. Miller is City Engr.

BENTON HARBOR, MICH.—We are advised by the Riggs & Sherman Co., Consulting Engrs., Toledo, Ohio, that bids were received as follows on May 11 by the Benton Harbor & St. Joe Ry. & Light Co.: Wisconsin Bridge & Iron Co., $13,500; Amer. Bridge Co., $13,200 and $12,500; Toledo-Massilon Bridge Co., $10,620 and $10,260; Massilon Bridge & Steel Co., $10,960 and $11,597; Riverside Bridge Co., $9,890; King Bridge Co., $14,500; Chicago Bridge & Iron Works, $13,000; Bellefontaine Bridge & Steel Co., $10,790; Interstate Engineering Co., $11,362; Mt. Vernon Bridge Co., Mt. Vernon, Ind., $9,490; Penn Bridge Co., $10,289; Penna Steel Co., $11,220.

SAVANNA, ILL.—Bids are asked until 2 p. m., May 20, by the Highway Commissioners, George W. Bristol, Chn., for constructing two steel and concrete bridges, one steel culvert and three stone arch culverts.

FOND DU LAC, WIS.—Contract for furnishing labor and material for two plate girder span bridges over West Branch, Fond du Lac River, bids opened on May 1, has been awarded to the WAUSAU IRON CO., of Wausau, at $8,200. Noted last week.

HINSDALE, MONT.—Bids will be received by the County Commissioners until June 9 for building a 180-ft. span bridge across Milk River, north of here.

MALVERN, ARK.—Bids will be received, it is stated, by the Bridge Commissioner, Malvern, until May 27 for constructing two steel bridges over the Ouachita River, one at Green's Ferry, three miles west of Donaldson, and one at Grigsby's Ford, four miles southwest of Malvern. A. I. Roland is County Judge.

ASOTIN, WASH.—Bids will soon be asked for the construction of the Jerry steel bridge.

INDEX, WASH.—Preparations are being made by the Big Falls Lumber Co. to construct a cable bridge across the South Fork for use in logging.

KENNEWICK, WASH.—The Blalock Island Garden Tracts Co. announces that it will construct a bridge to connect with the mainland. Estimated cost, $30,000.

HOQUIAM, WASH.—The County Auditor has been instructed to ask for bids for building a bridge over North River on the line between Chehalis and Pacific counties.

BELLINGHAM, WASH.—The County Engineer has been directed to prepare plans for the erection of the Riddle Slough bridge and wing dam.

FLORENCE, WASH.—The County Commissioners, Everett, will soon ask for bids for the construction of a bridge across the Stillaguamish River, half-mile east of Florence.

MARIETTA, WASH.—Bids are asked by the Whatcan County Board of Commissioners, Bellingham, until 2.30 p. m., June 9, for the removal of the draw bridge from the old channel of the Nooksack River at Marietta to the new channel, and for building wing dams and approaches to same; also to build over the old channel, a pile bridge in place of draw bridge; all of said work to be done in accordance with plans and specifications on file in the office of Charles A. Lindbery, County Engr.

PORTLAND, ORE.—The City Executive Board has employed Waddell & Harrington, Consulting Engrs., of Kansas City, Mo., to draw plans and specifications for the new steel span at Madison St. Estimated cost, $450,000.

BISBEE, ARIZ.—The County Engineer has completed plans for the construction of a wooden bridge across the White River between Douglas and Blabee.

GREEN RIVER, UTAH.—We are informed by the Green River Commercial Club that within the next month the County Commissioners of Emery and Land counties will advertise for bids for a steel bridge across the Green River at this place. Estimated cost, about $20,000.

HAILEY, IDAHO.—Bids will be received by the County Commissioners until July 10 for the construction of a bridge across Aubrey Creek.

IDAHO FALLS, IDAHO.—The Oregon Short Line R. R. Co. engineers are at work on the river about 1½ miles north of the city making soundings of the river preparatory to the construction of concrete piers for the new bridge which is to cross the river at that point.

MOUNTAIN, ONT.—Bids will be received until May 29 by Alex. Christie, Comr. of Mountain, for constructing two reinforced-concrete arch bridges and two reinforced-concrete piers over Castor River and McCaul Creek on the boundary road between Mountain and Osgoode Townships.

BUILDINGS.

(denotes that this work is advertised in Engineering News.)*

SPRINGFIELD, MASS.—Col. F. E. Pierce of the State Armory Comn. has given out the plans of the armory which it is expected will be erected on the lot at the corner of Hope and Prospect Sts., facing Hope St. It will be of brick and stone, with two towers at the front. The head house will be 100 × 40 ft., the drill shed 80 × 120 ft. and in the rear of the latter will be a 10-ft. projection for storing an army wagon. There will be a small stage and a little balcony in the rear for an orchestra. The drill shed will have a seating capacity of 2,000. The basement will contain a rifle range, bowling alley, mess headquarters, kitchen, storage room, magazine room, shower baths and boiler room. The building will be heated by steam and lighted by electricity.

NEW BRITAIN, CONN.—M. J. Unkleback, Arch., 162 Main St., is preparing plans for the proposed 2-story brick block, 105 × 156 ft., to be erected by I. Simon, on the Booth property.

WILLIMANTIC, CONN.—James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., has awarded contract for the construction of a post-office at Willimantic, Conn., to M. P. WELLS, of Philadelphia, Pa., at $55,881.

NEW YORK, N. Y.—We are officially advised that plans for the new building to be erected on the Metropole Hotel site, at Broadway and 42d St., have been completed by Henry Ives Cobb, Arch., 42 Broadway, and have been approved by the syndicate, composed of Joseph H. Flick, of Mount Vernon, Charles Pasche, Pres. of the First National Bank, of St. Joseph, Mo., and their associates, which recently secured, through Greenwood & Co., an 84-year lease of the property. The building contract has been let to the C. L. GRAY CONSTRUCTION CO., Victoria Bldg., St. Louis. The site will be cleared immediately, and the new structure will be completed by Jan. 1. The building eventually is to be 30 stories high, but for the present only six stories will be put up. The center columns are to be carried up, forming a tower 30 ft. square that will rise to a height of over 200 ft. from the sidewalk, or about 120 ft. above the roof of the main structure. The building has been designed in the English perpendicular Gothic style, with long perpendicular members emphasizing the height. The tower has a top treated in a similar manner, though in more ornamental fashion. The basement of the building will extend out under all the sidewalks, and is to be one of the largest rathskellers in the country, finished in a most interesting and elaborate manner, with a spacious entrance in the center of the 42d St. front. Both the first and second floors have been designed with a view to afford a maximum of window space.

Plans have been filed for an 8-story and basement building at Nos. 222 and 224 West 15th St. as an annex to the Convent of Jesus and Mary, on 14th St., conducted by the Sisterhood of the Roman Catholic Church of Our Lady of Gaudeloupe. On the upper floors will be a hotel for women. The building will have a frontage of 49½ ft. It will be in the style of the French Renaissance from designs by John W. Kearney, Arch., 28 West 22d St. The cost will be $160,000. It is to take the place of a proposed addition to the convent which did not provide for the hotel features and was to cost $60,000 only. The hotel will have a chapel and sanctuary and large dining hall.

Raymond F. Almirall, Arch., 51 Chambers St., has fled plans for a 2-story and attic pathological laboratory building, to be erected as an annex to the Metropolitan Hospital on Blackwell's Island. It will be of brick, finished with ornamental stone trimming and have a frontage of 70 ft. and a depth of 87 ft. The main floor will contain the offices and the museum and specimen room, and a room for autopsies, while the second story will be fitted as a library, and with laboratories for microscopical, chemical and bacteriological research, and also a special private laboratory for the surgeons. The attic will be fitted as a menagerie for animals for experimental use. The building is to cost $40,000.

NEW YORK, N. Y.—Bids are asked by Robert W. Hebberd, Comr. Dept. of Public Charities, until 2.30 p. m., May 28, for providing all labor and materials necessary or required for the excavation, masonry, steel and iron work, roofing and metal work, carpentry, electric work, elevator work, heating work, laundry plant, plumbing work and all other work, as set forth in the drawings and specifications for the alteration, repair, construction and entire completion of a heating plant and of the laundry for the Metropolitan Hospital District, Blackwell's Island, Boro. of Manhattan, the City of New York.

Harperley Hall, a newly-incorporated concern, has purchased six lots at the north corner of Central Park West and 64th St., for the purpose of building a 12-story cooperative apartment house, the cost of which is estimated at $1,200,000. Interested in the project and who will be tenant owners, are Mary Linton Brookwalter, Loudon Charlton, Prof. Wendell T. Bush of Columbia University, Mrs. James Oliphant, Mrs. C. M. Hutchinson of Chicago, and Henry Wilhelm Wilkinson, Arch., 114 East 28th St. The latter has prepared the plans and J. E. WELLS BROS. CO., 160 Fifth Ave., will have the building contract.

R. H. Robertson & Son, Archs., 160 Fifth Ave., Archs., for the Ponoco Building Co., 60 Wall St., which has purchased the old Parker Building site on the southeast corner of Fourth Ave. and 19th St., together with the Florence Hotel at 18th St., have filed with the Buildings Superintendent plans for the improvement of the property. The plans call for a building on the Florence Hotel site of 18 stories, with a facade of brick and trimmings of limestone and terra cotta. The building is to front 102 ft. on the avenue and 218 ft. on the side street. It is to cost $1,865,000. The plans of the Parker Building show that it is to be reconstructed at its present height of twelve stories in conformity with the Supreme Court precept obtained by the Superintendent of Buildings after the fire of 1906. The interior is to be be entirely rebuilt of reinforced steel concrete fireproof slab flooring. This work is to cost $400,000. Frank H. Parsons, 60 Wall St., is Pres.

The Fifth Avenue Baptist Church will be torn down and new structure erected in its place. The parsonage and lecture room will be razed also. The new church will cost, it was estimated, $500,000. The members of the Building Committee are Edgar L. Marston, A. S. Walker, E. L. Ballard, Colgate Hoyt, Harry Hubbard, Charles T. Peck, Charles H. Paddock, F. L. Froment, E. M. Foote, J. E. Thompson and William B. Conklin. The members of the finance committee are Edgar L. Marston, William H. Hayes, John F. Comey, John P. Elder, E. H. Paddock, Dr. L. Emmet Holt, John D. Rockefeller, Jr., J. P. Morris, Arkel R. McMichael, William M. Crane and Horace W. Fish. Dr. Charles F. Aked is Pastor.

NEW YORK, N. Y.—Bids are asked until 11 a. m., June 1, by C. B. J. Snyder, Supt. of School Bldgs., Dept. of Education, for alteration, repairs, etc., at Public Schools, Nos. 18, 21, 24, 36, 43, 49, 52, 53, 68, 74, 86, 88, 123 and 147, Boro. of Brooklyn; for alterations, repairs, etc., at Morris High School and Public Schools Nos. 1, 2, 3, 4, 9, 10, 18, 20, 23, 25, 27, 28, 29, 31, 35, 37, 39, 40 and 42, Boro. of the Bronx; for repairs, alterations and additions to the electric equipment in Public Schools Nos. 5, 46, 89, 119 and 194, Boro. of Manhattan; for repairs to heating and ventilating apparatus of Public Schools Nos. 5, 89, 103, 109, 119, 150, 151, 159, 170, 184 and 186, Boro. of Manhattan; for alterations, repairs, etc., at Public Schools Nos. 20, 21, 22, 23, 24, 27, 32 and Jamaica Training School, Boro. of Queens; for alterations and repairs to heating and ventilating apparatus in Public Schools Nos. 13 (old building), 15 and 18, and Curtis High School, Boro. of Richmond.

BINGHAMTON, N. Y.—The Slovak Lutheran Church Congregation will erect a brick and steel church, 36 × 65 ft., on Clinton St., west of Wilson St. Rev. J. Hudry, Hazelton, Pa., is Pastor. W. H. Bellis, Binghamton, is Arch.

FORT SLOCUM (New Rochelle post-office), N. Y.—Bids are asked until 10 a. m., June 9, by the Constructing Quartermaster for construction, plumbing, steam heating and electric wiring of additions and alterations to post exchange and gymnasium building.

NIAGARA FALLS, N. Y.—Simon Large, Arch., has prepared plans for a moving picture and vaudeville theater to be built on North Main St., for J. Hawk and J. Hopkins.

POUGHKEEPSIE, N. Y.—Luskey, Platt & Co., will build a 3-story annex to department store on Academy St., 100 × 100 ft., of steel frame and reinforced concrete construction with cream colored terra cotta and glass front. Percival Lloyd is Arch.

ALBION, N. Y.—A passenger station is to be erected here by the New York Central & Hudson River R. R. Co. G. W. Kittredge, Ch. Engr., New York Central Lines, Grand Central Station, New York.

FREDONIA, N. Y.—The Board of Education has readvertised for bids for two school buildings, all previous bids having been rejected.

The Lake Shore Ry. Co. will build a combination passenger and freight depot here to replace the building destroyed by fire a few weeks ago. DeWitt C. Moon is Gen. Supt., Cleveland, Ohio—G. W. Kittredge is Ch. Engr., New York Central Lines, Grand Central Station, New York.

ROCHESTER, N. Y.—The St. Stephens Episcopal Parish has purchased a site and will erect a church at Chili Ave. and Thorndale Terrace. Architect not yet selected nor material decided upon. Rev. Thomas J. Shannon is Rector, Fillmore St. and West Ave.

SYRACUSE, N. Y.—HUBER BROS., of Syracuse, have been awarded contract (with the exception of plumbing, heating and lighting) for the St. Joseph's Hospital Training School and Home for Nurses, to be erected on Prospect Ave., east of Laurel St. Russell & King, Syracuse, are Archts.

PITTSBURG, PA.—The contract for the erection of the Newsboys' Home on Stevenson St., near Forbes St., has been awarded by Alden & Harlow, Archs., Farmers' Bank Bldg., to ROSE & FISHER, Pennsylvania Ave. The construction cost is $50,

000. Ground has been broken and it is expected the building will be ready for occupancy by Jan. 1, 1910. It is to be of red brick, with terra cotta trimmings, 212 ft. long, 113 ft. wide, and five stories high. The first floor will contain a spacious clubroom and gymnasium, 36 × 86 ft. in size; the latter will extend through the mezzanine floor, part of which will be used for a running track. On the mezzanine will be a reading room. School rooms, dining rooms and kitchen are planned for the second floor, and the third and fourth floors will be devoted to sleeping apartments. A dormitory of 28 beds will be located on the fourth floor for the accommodation of transients. Adjoining the building will be a playground 132 × 113 ft.

Charles Bickel, Arch., 524 Penn Ave., has been selected to prepare plans of the Columbian School and Settlement Building, which is to be erected at 1853 Center Ave., under the auspices of the Council of Jewish Women. The building is to cost $150,000 to $200,000.

PHILADELPHIA, PA.—At a recent meeting of the Board of City Trusts, it was decided to spend $275,000 to complete a building operation now under way at 19th St. and Oregon Ave. Eighteen dwellings will be erected on Cleveland Ave. and the same number on South 19th St. Light, heat and hot water will be furnished from the new power-house of the Girard estate, 20th St. and Oregon Ave.

Plans are being prepared by Rankin, Kellogg & Crane, Arch., 1012 Walnut St., for the erection of a building at the Philadelphia Navy Yard at League Island for Marine Barracks. It will cost that amount having been appropriated by act of Congress for the purpose. The details of construction have not yet been fully determined, but it has been decided to erect a brick structure which will harmonize with the present marine barracks, near which the new building will be erected. Work will probably be started during the summer.

Contracts will be awarded soon for the demolition of the buildings at Seventh and Lombard Sts., which are to be torn down to make way for the Phipps Institute for the Treatment and Cure of Tuberculosis, for which Henry Phipps, of New York, has given $1,250,000. Plans and specifications are in the hands of builders, and as soon as the square is cleared of debris, excavation for the institute building is to be started. The building to be erected will cost $250,000. It will have a front of about 175 ft. on Lombard St. and is to be of brick and iron and of fireproof construction. Plans adopted by Mr. Phipps and Dr. Lawrence F. Flick, Dir. of the Institute, provide for a structure unique in architecture. It will be three stories high and constructed on the receding style, thus providing balconies on which patients may be kept outdoors, and each floor so exposed to the light that the light and ventilation of the floor below it will not be shut out or interfered with. The entire front will be thus terraced, with a large roof garden crowning the structure. Dormitories for the nurses will occupy a wing that will extend to the Seventh St. side of the building. A garden will surround the institute. A museum and lecture room will be placed in the western wing.

BALTIMORE, MD.—At a recent meeting of the members of Second Church of Christ, Scientist, it was decided to build a church on the lot recently acquired at the southwest corner of Mount Royal Ave. and St. Paul St. Plans for the building have been prepared by Mottu & White, Archs., 306 North Charles St. The work of construction will begin immediately. The design is in the form of a Greek cross, with a seating capacity of 1,200, including the galleries, and a Sunday-school room seating 450. The main entrance, on Mount Royal Ave., will be through a vestibule and three large doors. Each of the other sides will correspond with the front. The lot is 100 ft. square, and the building will be 96 ft. square. On the first floor there will be a large foyer, with a staircase in the center leading to the main auditorium, and stairways in each of the four corners of the building. In the rear of the foyer will be the Sunday-school room. The main auditorium will slope from the front to the rostrum, which will be on the south side. The stairway from the foyer will enter the center of the space. Above will be galleries on the north, east and west sides. On each side of the rostrum will be a reader's room, and over it will be the organ. Four arches will form the interior, and from there the dome will arise.

WASHINGTON, D. C.—Bids were opened on May 15, at the Bureau of Yards and Docks, Navy Department, Washington, for construction of the following buildings at the Naval Medical School Hospital, Washington, D. C.: (a) contagious ward building, (b) sick officers' quarters, (c) male nurses' quarters, (d) female nurses' quarters, (e) medical officer in command's quarters, (f) quarters for junior officers (east), (g) quarters for junior officers (west): Walter E. Burnham, 2 East Lexington St., Baltimore, (a) $83,323, (b) $65,285, (c) $40,247, (d) $35,442, (e) $28,232, (f) $23,079, (g) $23,080; George A. Fuller Co., Munsey Bldg., Washington, (a) $55,500, (b) $55,000, (c) $34,500, (d) $31,500, (e) $22,800, (f) $19,000, (g) $19,100; Noel Construction Co., Fidelity Bldg., Baltimore, (a) $57,190, (b) $56,835, (c) $35,937, (d) $31,304, (e) $23,028, (f) $19,429, (g) $19,777; Boyle Robertson Construction Co., Union Trust Bldg., Washington, (a) $58,186, (b) $59,724; Thomas H. Melton, 621 F St., Washington, (c) $39,990, (d) $32,587, (f) $20,070, (g) $20,170; Oscawana Bldg. Co., 200 Fifth Ave., New York, (a) $61,500, (b) $55,000, (c) $38,500, (d) $36,000, (e) $27,000, (e) $20,000, (g) $20,000; Herman Probst, 103 Park Ave., New York, (a) $59,700, (b) $58,700, (c) $38,000, (d) $32,600, (e) $24,500, (f) $20,200, (g) $20500; J. E. & A. L. Pennock, Land Title Bldg., Philadelphia, (a) $52,787, (b) $58,848, (c) $39,263, (d) $31,624, (e) $25,251, (f) $20,518, (g) $20,661; Durolithic Co., 460 Ellicott Sq., Buffalo, (a) $65,700, (b) $58,127, (c) $38,375, (d) $37,184, (e) $25,641, (f) $22,144, (g) $22,353; W. H. McCray, Bond Bldg., Washington, (a) $58,250, (b) $64,450, (c) $24,000, (d) $33,300, (e) $42,000, (f) $19,600, (g) $19,400; George A. Glenn & Co., 927 South Eighth St., Philadelphia, (a) $58,500, (b) $55,450, (c) $36,700, (d) $32,000, (e) $24,800, (f) $20,700, (g) $20,700; Arthur Cowsill, 720 15th St., Washington, (b) $78,700, (c) $42,497; D. J. Phipps, Newport News, Va., (a) $61,587, (b) $50,951, (c) $37,075, (d) $31,482, (e) $23,181, (f) $18,609, (g) $18,609; James E. Leamy & Co., Larned Bldg., Syracuse, N. Y., (a) $54,969, (b) $53,190, (c) $34,890, (d) $28,247, (e) $26,500, (f) $26,500, (g) $26,500; Ambrose B. Stannard, St. James Bldg., New York, (a) $57,000, (b) $57,000, (c) $37,000, (d) $31,000, (e) $23,000, (f) $18,000, (g) $18,000; Baltimore Ferro-Concrete Co., 16 St. Paul St., Baltimore, Md., (a) $53,974, (b) $55,990, (c) $37,419, (d) $32,684, (e) $22,238, (f) $18,720, (g) $18,915; Thompson-Starrett Co. 14th and G Sts., Washington, (a) $48,825, (b) $52,600, (c) $35,000, (d) $28,980, (e) $21,800, (f) $18,000, (g) $18,000.

WASHINGTON, D. C.—The President has approved the plans for the addition to the executive office building, which will be made as soon as he starts for Beverly. The addition will double the size of the present building, as shown by the ground plan. The additional space will be gained by building over what is now the tennis court, immediately to the south of the present building. The plans have been prepared by N. C. Wyeth, Arch., 1517 H St., N. W., Washington, under the supervision of Col. S. Crosby, U. S. A., Supt. of Public Buildings and Grounds. The President's room will be in the center of the new addition, will face south and will be of oval shape, similar to the Blue Room in the White House, although not so large. The secretary's office will be moved to the southwest corner of the new building, and the Cabinet room, which is now situated in the northeast corner, will be transferred to the southeast part of the building. A general waiting room is a feature of the new arrangements. At present all callers on the President, with the exception of those who have made previous engagements, are accommodated in the lobby, which at times has proved entirely too small for the large number of White House callers. The added room will meet this need. The room for Congressmen is enlarged to twice its former size and extra room for clerks is provided. As soon as the appropriation made by the last Congress is available the building will be started. This will be about July 1.

RICHMOND, VA.—Bids will be received by James Wilson, Secy. U. S. Dept. of Agriculture, at office of Chief of Weather Bureau, Washington, D. C., until noon, June 5, for the erection of a 2-story and basement brick building for the Weather Bureau, Richmond.

SALISBURY, N. C.—James Knox Taylor, Superv. Arch. Treasury Dept., Washington, D. C., has awarded contract for the construction of the post-office building at Salisbury, N. C., to the GEORGE W. ASHLEY CO., of Baltimore, Md., at $109,411.

SUMTER, S. C.—James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., has awarded contract for the construction of a post-office at Sumter, S. C., to GEORGE A. CLAYTON, Austell Bldg., Atlanta, Ga., at $52,352.

HORSE CAVE, KY.—We are officially advised that the Farmers' Deposit Bank, Horse Cave, will receive bids for a brick structure. Plans and specifications are ready for estimates.

•LONDON, KY.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., June 16, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring and standard clock system), of the U. S. post-office and court-house at London.

DANVILLE, KY.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., June 2, for the erection complete of the U. S. post-office building at Danville.

PAINSVILLE, OHIO.—Bids are asked by the Painsville Township Board of Education until noon, June 4, for furnishing labor and material necessary in the building of an addition to the school house in Sub-district No. 3, located on the Chapel Road, in Painesville Township School District. L. J. Mason is Pres.

ATHENS, OHIO.—Bids are asked by the Athens Masonic Temple Co. until 1 p. m., May 31, for the erection of a 4-story temple. W. E. Peters is Secy.

SPRINGFIELD, OHIO.—Bids are asked by W. H. Holmes, Clerk Bd. of Education, until noon, June 5, for the erection of a 2-story and basement fireproof brick and stone school building on S. Limestone St. Albert Pretzinger is Arch., 1128 Reibold Bldg., Dayton, Ohio.

FREMONT, OHIO.—The Board of Education has finally awarded the contract for the erection of the new high school building to ANDREWS BROS., of Cleveland, who will erect the building exclusive of the roof, heating and ventilating, plumbing and electric wiring for $58,880. Work is to be commenced at once.

ASHLAND, OHIO.—Bids are asked by the Board of Commissioners of Ashland County, at office of H. C. Westover, County Audr., until noon, June 7, for the structural work for an addition to the Children's Home. Certified check, $300. Plans, etc., at office of County Auditor. William Shidler, Chn.

FORT WAYNE, IND.—The Trustees for the Indiana School for Feeble Minded will ask for bids in a short time for the construction of a building. Mahurin & Mahurin are Archs.

Bids will be received until June 7 by H. W. Meyer, Arch., 918 Calhoun St., for construction of two school buildings in Ward 5.

GARY, IND.—The Trustees of the First Methodist Church will ask for bids soon for the erection of a church.

Trustees of the Y. M. C. A. are having plans prepared for the erection of a $100,000 building—the gift of E. H. Gary. Bids will be invited as soon as plans are completed.

INDIANAPOLIS, IND.—Bids are asked by the Tuberculosis Commission at Room 54, State House, until noon, June 3, for construction of a tuberculosis hospital near Rockville. One administration building, 50 × 90 ft., brick and stone; two frame ward buildings, 25x294 ft., two stories high with verandas; a brick dining room, 50 ft. square, one story and finished basement; power-house and laundry, 80 ft. square, one story high.

The Episcopal Diocese, Bishop Joseph M. Francis, will ask for bids for the construction of a $50,000 cathedral to be erected at the corner of Central Ave. and 16th St., as soon as plans can be made.

The Christian Settlement Association, of Columbia Ave., has approved plans for the erection of a new building. Bids will be in order soon.

INDIANAPOLIS, IND.—The Trustees of the Indiana School for Girls will receive bids after June 1 for the construction of an addition and improving the power plant and for the lighting of the grounds. Plans are now ready for bidders.

T. A. Winterrow, Bldg. Inspector, has approved plans for the proposed city-hall building to cost $510,000. The contract has been let to the WESTLAKE CONSTRUCTION CO., 717 Locust St., St. Louis, Mo.

The original plans for the erection of the new St. Vincent's Hospital buildings in Fair Bank have been abandoned and new plans are to be drawn immediately, that will allow sufficient space along the Fall Creek bank for a boulevard. This decision was reached following a visit to the city by the Rev. J. J. Sullivan, C. M., of Emmetsburg, Md., who has the direction of the affairs of the Sisters of St. Vincent de Paul. The new plans will call for a main hospital building about 200 × 350 ft., a power-house, contagious disease wards and a nurses' building. The main building will front along the proposed boulevard, while the contagious disease pavilion probably will be in the northwest corner of the hospital property. It is possible that the main building may be made L shape, one end fronting along Illinois St. It is estimated that the hospital buildings will cost approximately $350,000. The main building will be five stories high, and the plans will be made in such a manner as to settle the boulevard question, provided the Board of Park Commissioners is content with just enough space to place a boulevard close to the stream.

MANISTEE, MICH.—James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., has awarded contract for the construction of a post-office at Manistee, Mich., to the MAJESTIC CONSTRUCTION CO., Milwaukee, Wis., at $68,388.

•DETROIT, MICH.—Bids are asked until 3 p. m., June 9, by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the installation of a vacuum system for heating apparatus, house pumps, etc., in the U. S. post-office and court-house, Detroit.

The property at the northwest corner of Woodward Ave. and Sibley St. has been purchased by Homer Warren for eastern clients. It will be converted at once into a modern business building at a cost of not less than $50,000. The 3-story front will be 83 × 38 ft., the entire property covering 83 × 150 ft. The building will be known as the Woodward Arcade. A five or six-story building will be erected on the entire plot of ground. Work will be begun at once on the above proposition. Plans are by Louis Kamper, Arch., Fine Arts Bldg.

NORTH CHICAGO, ILL.—The Chief of Navigation, Navy Department, Washington, D. C., has awarded contract for the construction of a commandant's house and six officers' quarters at the Naval Training Station, North Chicago, Ill., to JOHN E. CORSE, of Racine, Wis., at $108,000.

CHICAGO, ILL.—Bids are asked at the office of the Business Manager of the Board of Education, 730 Tribune Bldg., until noon, May 26, for the construction of a 36-room school building including assembly hall and gymnasium, to be known as the Joseph E. Gary School. Cost, $250,000.

JACKSONVILLE, ILL.—Bids are asked by John Frank, Chn. Bldg. Com., until 2 p. m., June 17, for the erection of a church for the Northminster Presbyterian Congregation. Separate bids will be received for heating, plumbing and electric work. Morrison H. Vail is Arch., Dixon, Ill.

DANVILLE, ILL.—Bids were received by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., as follows for the construction of the post-office building in Danville, Ill.: W. J. McAlpine, Dixon, Ill., $186,000; J. A. Schunweber Co., Indianapolis, Ind., $174,960; W. H. Shields, Danville, Ill., $165,750; Paul Riesens' Sons Co., Milwaukee, Wis., $187,000; Northern Construction Co., Milwaukee, Wis., $181,700; J. P. Cullen Co., Janesville, Wis., $173,000; Th. Jobst & Sons, Peoria, Ill., $158,700; W. H. Allen Son & Co., Peoria, $173,000; Charles W. Gindele Co., Chicago, $159,875; General Construction Co., Milwaukee, Wis., $181,708; Bedford Stone & Construction Co., Indianapolis, $161,428; August Ohm, Terre Haute, Ind., $173,000; Cecil L. Saunders, Ithaca, $196,000; Conners Bros. Co., Lowell, Mass., $173,000; M. Yeager & Son, Danville, Ill., $151,938; Hiram Lloyd Building & Construction Co., St. Louis, $179,997; Interstate Construction Co., Saginaw, Mich., $174,750; J. C. Settle & Co., St. Louis, $172,088.

Also for (a) the heating and ventilating system, and (b) the plumbing system in the same building: Fitzpatrick Hoepfner, Columbus, Ohio, (a) $11,989; P. Wacey Co., Chicago, (a) $12,030; Brady & Co., Chicago, (a) $13,122; R. Hass Electric & Mfg. Co., Springfield, Mass., (a) $14,492, (b) $9,401; G. A. Kees Domestic [illegible] Paul, (a) $11,624, (b) [illegible] Plumbing & Heating [illegible] Va., (a) $13,423, (b) [illegible] Smith, Inc., Chicago, (a) [illegible] Rowe-Paige Co., Omaha, [illegible] F. A. Clegg & Co., Louisville, $900; E. J. Ryan, Danville, (b) $5,950; Hoben & [illegible] (a) $14,000, (b) $9,500; [illegible] & Engineering Co., Philadelphia, [illegible] 127; W. S. Hannum, Danville, [illegible] 635, (b) $7,524; Carson [illegible] ville, Ill., (a) $11,731, [illegible]

RIPON, WIS.—Prof. F. [illegible] letic Director, Ripon College, [illegible] plans for a $40,000 gymnasium [illegible] be erected on site adjoining [illegible] by A. G. Farr, Vice-President [illegible] Savings Bank, Chicago. [illegible] call for plans at once.

MILWAUKEE, WIS.—The [illegible] cil has voted to authorize the [illegible] lic Works to call for plans [illegible] for a new engine house and [illegible] headquarters, to be erected [illegible] Martin St. Estimated cost, [illegible] J. Poetsch is City Engr. The [illegible] Chief Engr. Fire Dept.

The Milwaukee Automobile Club has purchased a building site of five acres at Rhine Mound Ave. and Cottrell St. and Clark St. Drake, Pres., has been appointed superintendent in charge of construction work. Mr. Drake will call for plans within two weeks. The building will be of reinforced-concrete construction, 2-story, including garage and equipment. A half-mile concrete saucer track may be constructed also.

ST. PAUL, MINN.—Postle, Mahler & Denson, Archs., City, are preparing plans for a 2-story pressed brick and cut stone club house to be built here by the Knights of Columbus, W. M. Stephenson, Grand Knight. It will be 121 × 150 ft., of pressed brick and cut stone construction. It will have an auditorium seating 900, of marble and tile work. Cost, $100,000.

Stronge & Warner Co., 67 East Seventh St., are taking bids on the general contract for constructing a 7-story pressed brick and cut stone, reinforced-concrete, fireproof wholesale building to be built here, according to plans of Postle, Mahler & Denson, Archs., city. Contract for the excavating has been let to GEORGE J. GRANT CONSTRUCTION CO., city. Cost, $250,000.

MINNEAPOLIS, MINN.—E. L. Masqueray, Arch., St. Paul, has awarded the contract for the superstructure of the Pro Cathedral being built by the Roman Catholics at Hennepin Ave. and 16th St., to H. N. LEIGHTON & CO., 213 South Sixth St., city, at $170,000.

HOUSTON, TEX.—We are officially advised that the H. L. STEVENS & CO., of Atlanta, have been awarded the general contract for constructing the Majestic Theater at Houston. Plans and specifications are on file at the office of Engineering News for the benefit of sub-contractors. Mauran, Russell & Garden, Chemical Bldg., St. Louis, Mo., are Archs.

DENVER, COLO.—The Daniels & Fisher Stores Co. is to erect a five or six-story building at 16th and Arapahoe Sts. to cost $300,000.

SPOKANE, WASH.—The School Board is planning to expend $150,000 in finishing and furnishing the new North Central High school.

A $200,000 building is to be erected this year by the Spokane Club, it is stated.

SAN FRANCISCO, CAL.—Major McK. Williamson, Constructing Q. M., U. S. A., will ask for figures July 1 for construction work on the artillery barracks for Fort Winfield Scott, to cost about $110,000.

B. G. McDougall, Arch., Sheldon Block, will take figures at once on the St. Luke's church work, same to cost $75,000.

J. R. Miller, Arch., has finished plans for a five-story apartment house to cost approximately $75,000.

E. E. Young, Arch., 35 Montgomery St., will take figures on an apartment house to be erected here at an estimated cost of $40,000.

The Directors of the Mission Savings Bank have accepted the plans submitted by Crim & Scott, Archs., 425 Kearny St., and work will begin at once on the new bank building, to cost $100,000.

Joseph M. Rothschild is to erect a 6-story apartment building on California St., between Mason and Taylor Sts., to cost $130,000.

The Sullivan Estate Co. has plans completed for a 2-story brick building to be erected on the south side of Mission St., between Sixth and Seventh Sts. The lot has a frontage of 365 ft. on Mission St. and extends back to Minna St., where it has about the same frontage. The building will contain 140 rooms, all on the second floor. The ground floor will contain 26 stores. The estimated cost of the improvements is $90,000.

Charles Paff & Co., Archs., Merchants' Exchange, have been selected to prepare plans for the proposed building of the Olympic Club. The building will be two stories high, the full length of the lot, 170 ft., and 42 ft. wide.

LOS ANGELES, CAL.—Preparations are being made for the erection in Los Angeles of a public market that will represent an investment of not less than $1,500,000. The proposition has been financed to the extent of securing a centrally located site, said to be worth $1,000,000. Dennis & Farewell, Archs., Currier Bldg., are completing plans for a building which will cost about $500,000. Street cars will be operated through the market. The market, as planned, will have two stories and basement and a central tower that will be in effect an office building. On the first floor there will be space for 400 stalls. The building will have a steel frame covered with dull-glaze matte-surface terra cotta, in appropriate coverings. The roofs will be of Spanish clay tile, and the partitions will be of hollow clay tile and plastered.

OAKLAND, CAL.—The Board of Directors of the proposed Bankers' Hotel has decided that construction of the building will begin as soon as detailed plans and specifications can be prepared. The hotel will cost about $1,000,000.

TUCSON, ARIZ.—Martin Costello is having plans drawn for a hotel to be erected by him on the site of the Windsor Hotel. The cost will be about $...,000.

SALT LAKE CITY, UTAH.—Ezra Thompson is planning the erection of a 6-story store and office building on Main St., between First and South Sts.

A 3-story building is contemplated for the ground over the Salt Lake Livery & Transfer Co.'s stables. The upper floors will contain 50 rooms for hotel purposes. Building will cost about $...,000.

Thomas Burns will erect a 10-story office building, Parkinson & Bergstrom, Los Angeles, are the Archs.

The County Commissioners have decided to erect a home for the sheriff to cost $12,000 and a 4-story jail building to cost $200,000.

TORONTO, ONT.—Bids are asked by J. J. Ward, Vice-Chairman of the Civic Bd. of Control, until noon, June 1, for the supply of five new trusses of 105, 93, 86, 82 and 62 ft., respectively; also for the supply of new columns, complete floor system, rollers, shoes, bed plates, painting and erecting, etc. C. H. Rust is City Engr.

WINNIPEG, MAN.—Victor W. Horwood, Arch., 177 McDermott Ave. East, is preparing plans for an apartment block for John Moxam to cost $100,000. Bids for construction will be called for shortly.

Bids are asked until noon, May 22, for the erection of a stone and brick block for H. M. Millman. Charles S. Bridgeman, 414 Nanton Bldg., is Arch.

The contract for the construction of the J. D. McArthur business block has been awarded to the CARTER-HALLS-ALDINGER CO., of Winnipeg. Cost, $250,000.

SASKATOON, SASK.—The city has decided to erect a public school to cost $50,000. J. Clinskill is interested.

VICTORIA, B. C.—Bids are asked by Evered Criddle, supervising architect, until May 31 for: (1) the erection and completion of a reinforced-concrete and brick building; (2) for the erection and part completion of a reinforced-concrete and brick building. Plans and specifications may be seen at the Department of Public Works.

WATER SUPPLY—IRRIGATION.

BARRE, VT.—The citizens have voted to issue bonds for the construction of a new storage reservoir, with a capacity of 42,000,000 gallons. George A. Reed is City Engr.

BOSTON, MASS.—The Water Committee on May 11 awarded contract to the GEORGE E. GILCHRIST CO., of Jersey City, for furnishing the water department 1,000 ⅝-in. water meters at $5.95 each, and 500 ¾-in., at $8.90. Total, $10,400.

*BETHEL, CONN.—Bids will be received by the Board of Water Commissioners of the Borough of Bethel until noon, May 29, for the construction of a dam and pipe line.

NEW YORK, N. Y.—Bids are asked by the Board of Water Supply until 11 a. m., June 1, for Contract 45 for the construction of about 5.3 miles of plain concrete conduit, known as cut-and-cover aqueduct, 17 ft. high by 17½ ft. wide inside, about five miles west of Newburgh, in the towns of Montgomery, Newburgh and New Windsor, Orange County.

Bids are asked by John H. O'Brien, Comr. Water Supply, Gas and Electricity, until 2 p. m., June 9, for furnishing, delivering and laying high pressure fire service mains and appurtenances in Allen, Broome, Bayard, Canal, Cherry, Chrystie Sts., etc., all in the district included between Houston St., Bowery, James St. and the East River.

KEESEVILLE, N. Y.—Bids will be received until May 20 by E. K. Romeyn, Clk. Bd. Water Comrs., for constructing one or more artesian wells. W. G. Stone is Engr., Utica.

JERSEY CITY, N. J.—The following bids were opened on May 3 by the Street and Water Board for the installation of turbine equipment at the high service station: THEODORE SMITH & SONS, Jersey City, $7,990 (awarded contract); Robert Fleming Arnott, 95 Liberty St., New York, $8,365.

CATASAQUA, PA.—W. H. VON MENGERINGHAUSEN, city, has secured the contract for constructing water-works at $68,500, bids opened on April 29. George Cadogan Morgan, of Chicago, Ill., is Engr.

HAZLETON, PA.—The Diamond Water Co. has awarded contract for the construction of new reservoir above Humboldt, to JACOB JACOBY, city, the lowest bidder. The reservoir will have a capacity of about 130,000,000 gallons and the breast of the dam will be about 800 ft. wide and over 40 ft. in height. Contract for the construction of a pipe line about four miles in length was awarded to MICHAEL YACCINO, city.

ALTOONA, PA.—See item under Miscellaneous Contracts.—Cement.

*CLEARFIELD, PA.—Bids will be received by the Clearfield Water Co., Clearfield, until noon, June 9, for the building of a reservoir on Moose Run with its accessories, in which the embankment item is about 16,000 cu. yds. and the masonry about 1,800 cu. yds., also the construction of a distributing reservoir on Cemetery Hill, in which the item of excavation is about 6,600 cu. yds. and the concrete masonry about 1,000 cu. yds., all as shown on the plans or called for in the specifications. Plans can be seen and specifications obtained at the office of the company at Clearfield, or Knight & Hopkins, Engrs., Rome, N. Y.

RICHMOND, VA.—The Council on May 6 awarded to HUNTER B. FRISCHKORN the contract for iron water pipe and castings at $... and for meters at $6,890.

MURPHY, N. C.—The Town Commissioners have awarded contract for a gravity system of water-works to ABEE & KELLY, of Asheville, at $33,000.

FLORENCE, S. C.—The citizens on May 6 voted to issue bonds for enlarging and improving the water-works and sewerage system.

*AUGUSTA, GA.—The Water-Works Committee on May 10 let the contract for the piping for this year to the U. S. CAST IRON PIPE & FOUNDRY CO., at $23 per ton, f. o. b. cars, Augusta.

DOTHAN, ALA.—The city has voted a bond issue for the extension of water-works. R. W. Lisenby is Clk.

BENOIT, MISS.—P. H. Porter, of Clinton, Ky., has been selected to prepare plans for the construction of water-works.

GRENADA, MISS.—The city has voted $5,000 of bonds for improvements to the water and light plant.

GULFPORT, MISS.—The City Council has adopted a resolution providing for a $40,000 bond issue to extend and improve the water-works.

BROOKVILLE, MISS. — WALTER V. O'ROURKE, 614 Macheca Bldg., New Orleans, La., has secured the contract for constructing water-works here.

TALLULAH, LA.—Plans are now being prepared by P. H. Porter, of Clifton, Ky., for water-works for Tallulah.

BROUSSARD, LA.—P. H. Porter, of Clinton, Ky., has been selected to prepare plans for water-works.

NEWPORT, KY.—John W. Hill, First National Bank Bldg., Cincinnati, Ohio, has been selected by the Board of Water Commissioners to prepare plans for the improvement of the water-works.

LOUISVILLE, KY.—Bids will be received by the Louisville Water Co., S. Zorn, Pres., until June 1 for the construction of a coagulating basin gate house and appurtenances on grounds of Crescent Hill reservoir.

EAST CLEVELAND, OHIO.—Bids are asked until noon, May 22, by Henry Wagner, Village Clk., for labor and material for laying 1,320 ft. of 6-in. c.-i. water pipe.

MINERVA, OHIO.—Bids will be received until June 7 by F. A. Unkefer, Secy. Bd. Public Affairs, Minerva, Stark and Carroll Counties, for a water-tank and tower, capacity 100,000 U. S. gallons.

MADISONVILLE, OHIO.—Bids will be received until noon, May 21, by the Board of Trustees of Public Affairs, J. A. Conant, Clk., for drilling a 12-in. deep well, capacity 200,000 gallons.

COLUMBUS, OHIO.—Bids will be received at the office of Jas. Knox Taylor, Supervising Arch., Treasury Department, Washington, D. C., for an artesian well and pumping plant at the U. S. post office and courthouse at Columbus. Specification may be had at the office of the Superintendent of Construction, or at the office of the Supervising Architect.

*NORWAY, MICH.—Bids will be received by the Board of Public Works until 2 p. m., June 8, for furnishing certain materials and constructing certain additions to the water-works necessary to use the Lake Fumee water supply. The work to be done includes the laying of about five miles of 12-in. c.-i. water pipe, about 5% of which is in 10 to 20-ft. cut; also a water inlet, screening chamber, valves, valve boxes, air valves, water meter, and other appurtenances of the pipe line. It is also intended to construct a water tank, 35-ft. diameter, by 41 ft. high, all above ground. Bids will be received upon reinforced concrete for this purpose, and also upon a tank constructed of steel plates. John W. Alvord and Charles B. Burdick, 1212 Hartford Bldg., Chicago, Ill., are Engrs.

BLUE ISLAND, ILL.—The following bids were opened on April 29 for reservoir, tank and well: Steel water tank, 50 ft. high, 20 ft. diameter with hemispherical bottom: Des Moines Bridges & Iron Works, Des Moines, Iowa, $4,995; Chicago Bridge & Iron Works, Chicago, $4,700; reinforced concrete reservoir, 70 × 26 × 12-ft.: General Cement Construction Co., Chicago, $3,767; Blain & Brown, Chicago, $3,595; Arthur Maldaner, Chicago, $3,288; John M. Healy Co., Chicago, $3,050; J. F. Schmidt Bros., Chicago, $2,994; F. Steinhart & Sons, Blue Island, $2,153; drilling and casing well: J. P. Miller Artesian Well Co., Chicago, $5,925; W. H. Gray & Bros., Chicago, $5,375; C. W. Whitney, Jr., Chicago, $6,175; S. B. Geiger, Chicago, $5,820. Alvord & Burdick, 1212 Hartford Bldg., Chicago, are Engrs.

OAK PARK, ILL.—T. H. IGLEHART, Morgan Park, Ill., has been awarded contract at $9,286, for laying water mains, the work including 3,450 ft. of 12-in. 1,260 ft. of 10-in., 204 ft. of 6-in. pipe, 17 fire hydrants, nine gate valves and necessary fittings.

BURLINGTON, WIS.—N. F. REICHER has been awarded a contract for laying 2,622 lin. ft. of 6-in. water pipe, at 90 cts.; 919 lin. ft. 4-in. water pipe, 75 cts.; seven hydrants, $15; one hydrant reset, $10; six 6-in. gates and valve boxes at $15; three 4-in. gate valves and boxes, $12. Total, $3,290. Other bids were William Davidson, $3,591; Peter G. Pederson, $3,896; T. H. Iglehart, $4,630. P. J. Hurtgen is City Engr.

TAMA, IOWA.—We are officially advised that JOHNSTON & WALY, of Tama, have been awarded contract for 600 ft. of 4-in. water-main. H. F. Carmichael is Clk.

BEMIDJI, MINN.—M. D. LOVELL, Minneapolis, has been awarded contract by the city for laying 100 lin. ft. 12-in. pipe, 6 ft. deep, at $2.35; 4,700 lin. ft. 10-in. pipe, 9 ft. deep, $1.72; 4,580 lin. ft. 8-in. pipe, $1.30; 7,870 lin. ft. 6-in. pipe, $1; 2,610 lin. ft. 4-in. pipe, 70 cts.; four 10-in. gate valves, $30; five 8-in., $20; 13 6-in., $14; 17 4-in., $10; 43 hydrants, 4 and 6-in., at $30 and $40, respectively. Total, $27,066. M. D. Stoner is City Engr.

KANSAS CITY, KAN.—The citizens on May 4 voted to issue $1,105,000 to purchase the plant of the Metropolitan Water Co. and $400,000 for improving the plant.

DOGE CITY, KAN.—We are officially advised that the J. S. Worley Co., Reliance Bldg., Kansas City, Mo., is engaged in the preparation of a report for the Council on the efficiency and operation of the water-works plant at Dodge City. This plant is operated by a private corporation. The report will also contain an appraisal of the property and recommendations for its improvement.

OSAWATOMIE, KAN.—Bids are asked until 2 p. m., June 1, by the Board of Control of State Charitable Institutions, Fred W. Knapp, Secy., Topeka, Kan., for pipe and fittings for the Osawatomie State Hospital. Specifications are on file at the office of Engineering News, New York.

JAMESTOWN, N. DAK.—Bids will be received by A. R. Thompson, City Audr., until May 24 for constructing water-mains, in water main district No. 1 in second and Eighth Aves., Milwaukee and Main Sts., in all 2,609 ft.

HARTVILLE, WYO.—Bids are asked by the town for the construction of a water system until May 26. The work will consist of digging trenches and laying water pipes and building one reservoir and foundation for water-tank.

FORREST CITY, ARK.—The city will install two miles of 4-in. water main and 16 4-in. fire plugs. J. T. Sanders is Chn. Improvement District No. 2.

CHILDRESS, TEX.—The council on May 3 let the contract for extensions to the water system to JOHN B. HAWLEY, of Fort Worth. A system which will include a new lake supply is the plan and six miles of additional mains are to be laid at once.

CARMEN, OKLA.—The city has voted $30,000 of bonds for the construction of water-works. The O'Neil Engineering Co., Dallas, Tex., are Engrs.

HUGO, OKLA.—Contract for constructing water-works, bids opened on May 4, has been awarded to W. W. COOK & SONS, of Junction City, Kan., at $165,854. Hiram Phillips, of St. Louis, Mo., is Engr.

DENVER, COLO.—The Pueblo County Reservoir & Reclamation Co. has filed plans for a part of the project expected to irrigate a greater part of Pueblo County. A dam will be built at a cost of $750,000.

DENVER, COLO.—A party of eastern men representing the A. J. Drexel estate, of which Dr. F. M. Perkins, 1482 Pine St., George P. Cessinger and George M. Thomas, all of Philadelphia, are members, have purchased 10,000 acres of dry farming land on the line of the Union Pacific Ry., and will install a pumping system to reclaim it.

LAMAR, COLO.—The Freeholders in the Bent and Prowers Irrigation District have voted $2,650,000 of bonds for the construction of a canal and reservoir system.

STERLING, COLO.—The EMPIRE CONSTRUCTION CO., of Denver, has secured the contract for canals, ditches, etc., for the North Sterling irrigation system, the water for this system coming from the winter flow of South Platte River. A total of 1,000 square miles, all in Logan County, will be reclaimed.

TACOMA, WASH.—JOHN GALLUCCI has secured contract for water mains on Puyallup Ave., at $20,923.

WHITE BLUFFS, WASH.—Plans are under way for the irrigation of 15,000 acres of land at Wahluke. The Columbia River Orchard Co. will soon let the contract for the ditch.

SEATTLE, WASH.—C. F. GRAFF, Hinckley Block, has been awarded contract by the Board of Public Works for water-mains in Bagley Ave. and other streets, at $28,302. R. H. Thomson is City Engr.

PENDLETON, ORE.—The Furnish Ditch Co. of this place will construct a storage reservoir near Horseshoe Bend on the Umatilla River. Estimated cost, $150,000.

PASADENA, CAL.—The directors of Pasadena Lake Vineyard Land & Water Co. have awarded contract to J. E. LEE for excavation of a reservoir to hold 13,000,000 gallons.

OAKLAND, CAL.—COTTON BROS., of Oakland, have been awarded contract at $34,087 for the pipe system for the auxiliary salt water high-pressure fire plant, bids opened on April 28, by the Board of Public Works. List of bidders noted on May 13.

GOLDFIELD, NEV.—Two tanks, each with a storage capacity of 100,000 gallons will be erected by T. D. Murphy and others, of Goldfield, on their placer property at Ione, north of Goldfield.

MINIDOKA, IDAHO.—Contract has been awarded to the FULTON ENGINE WORKS, of Los Angeles, Cal., for furnishing controlling mechanism for penstock and sluicing gates in connection with the Minidoka irrigation project, Idaho. The contracts amount to $8,046.

ESTEVAN, SASK.—Bids are asked until May 26 (extension of date from May 19), by L. A. Duncan, Secy.-Treas. for constructing a water-works system and a main sewer, comprising 7,300 ft. of water mains, 2,400 ft. of tile sewer, also steel water tower, gasoline engines and power pump. Willis Chipman is Engr., 103 Bay St., Toronto, Ont.

SEWERAGE.

(denotes that this work is advertised in Engineering News.)*

PROVIDENCE, R. I.—The Council on May 3 passed an ordinance providing for an additional appropriation of $100,000 for the construction of sewers.

NEW HAVEN, CONN.—Bids will be received by the Board of Public Works, C. W. Kelly, Engr., until 2 p. m., May 26, for the construction of sewers in Salem St., from Columbus Ave. to Portsea St.; West Park Ave., from Edgewood Ave., for a distance of 600 ft.; Ivy St., from Winchester Ave. to Newhall St.; Bassett St., from Newhall St. to Butler St.; Winter St., from Foote St. to Webster St., and Maltby St., from Lombard St. to Chatham St.

HARTFORD, CONN.—Bids were received as follows by the Board of Contract and Supply on May 10, for laying approximately 1,300 lin. ft. of 12-in. vitrified tile pipe sewer from Asylum St. to the new Armory Building. (a) sewer, (b) manholes, (c) lumber, (d) excavation, (e) overhaul, (f) concrete A, (g) concrete B: J. M. Ferrante, Hartford, (a) 97 cts.; (b) $35; (c) $30 per M.; (d) $3; (e) 2 cts; (f) $7; (g) $6. Hartford Paving & Construction Co., Hartford, (a) 63 cts.; (b) $40; (c) $30; (d) $3; (e) 2 cts.; (f) $7; (g) $6. Barnardino & Silvestri, Hartford, (a) 58 cts.; (b) $25; (c) $30; (d) $3; (e) 2 cts.; (f) $7; (g) $6. A. E. Douglass, Hartford, (a) 50 cts.; (b) $34; (c) $30; (d) $3; (e) 2 cts.; (f) $7; (g) $6. Charles H. Slocomb, Hartford, (a) 50 cts.; (b) $30; (c) $30; (d) $3; (e) 2 cts.; (f) $7; (g) $6. F. B. & W. H. O'Neil, Hartford, (a) 70 cts.; (b) $35; (c) $30; (d) $3; (e) 2 cts.; (f) $7; (g) $6. Olmsted & Olmsted, East Hartford, (a) 59 cts.; (b) $45; (c) $30; (d) $3; (e) 2 cts.; (f) $7; (g) $6. These bids were referred to the Engineering Department for computation.

ALBANY, N. Y.—See item under Streets and Roads.

BROOKLYN, N. Y.—Bids are asked by Bird S. Coler, Boro. Pres., until 11 a. m., June 2, for reconstructing sewers and sewer basins in various streets.

NEW BRIGHTON (S. I.), N. Y.—Bids are asked until noon, June 1, by George Cromwell, Pres. Boro. of Richmond, for temporary combined and sanitary sewers and appurtenances in various streets.

LONG ISLAND CITY (L. I.), N. Y.—Bids will be received until May 24 by Lawrence Gresser, Pres. Boro. of Queens, for sewers in South and Parcell Sts., Maurice, Corona and Chicago Aves., requiring 1,075 lin. ft. of 24-in egg-shaped cement pipe and 2,845 lin. ft. 6, 8 and 10-in. vitrified salt-glazed pipe, etc.

BRADFORD, PA.—M. APPLEGATE & SON, Allience, Ohio, have been awarded contract for the construction of the Webster St. sewer.

A. F. Bannon, Jr., City Engr., has been authorized by the Council to prepare plans for a sewage disposal plant.

ST. CLAIR, PA.—The citizens on May 4 voted to issue $90,000 of bonds for the construction of a sewer system.

NEW CASTLE, PA.—The City Engineer has started surveys, and will have plans under way within a few weeks for about 3¼ miles of new sewers to be constructed this summer in what is known as the Walton plan. Ordinances authorizing the laying of these sewers have been passed by Councils, and contracts will be awarded within the next month.

ERIE, PA.—The contract for laying a 9-in. sewer in Parade St. has been awarded to EDWARD DRISCOLL, of this city, he being the lowest bidder at 85 cts. per lin. ft. for 9-in pipe, 40 cts. for 6-in. pipe, Y or T branch pipe, $1.25, and $42 for each manhole.

HAVRE DE GRACE, MD.—The Town Council has awarded contract to the MARYLAND DREDGING CO. to dig a channel 9 ft. deep from the main channel in the river toward the mouth of the city sewer, so the refuse will be carried away by the tides.

WASHINGTON, D. C.—Bids will be received by the Commissioners of the District of Columbia until noon, May 24, for constructing sewers in the district. Henry B. F. Macfarland is Comr., D. C.

RICHMOND, VA.—The Common Council has adopted an ordinance providing for a $1,500,000 bond issue, to be used for public improvements, principally for sewer and water mains. Estimated cost for trunk sewers for old city and new territory, $320,133; lateral branches or service sewers, $242,901; house connections, $80,744. Total for sewers, $943,778. Charles E. Bolling is City Engr.

NORTON, VA.—The citizens on May 4 voted to issue $50,000 of bonds for the construction of sewers, paving and other improvements.

FLORENCE, S. C.—William W. Lyon, 305 Duval Bldg., Jacksonville, Fla., has made surveys and prepared plans for the construction of a sanitary sewerage system for Florence.

MARIETTA, GA.—Bids will be received by the Mayor and Council until June 5 (extension of date from June 1) for a sanitary sewerage system, requiring about 11 miles of from 8 to 15-in. pipe, with manholes, flush tanks, etc. J. B. McCrary & Co. are Engrs., 1302 Empire Bldg., Atlanta.

BARTOW, FLA.—William W. Lyon, 305 Duval Bldg., Jacksonville, Fla., has prepared plans for sewer construction at Bartow. Bonds for $50,000 have been voted.

GRENADA, MISS.—The city has voted $10,000 of bonds for the extension of the sewerage system.

ELIZABETHTON, TENN.—Bids will be received about July 1 for the construction of sewers. Estimated cost, $33,500.

*LOUISVILLE, KY.—Bids for the construction of a sewer known as Section "B" of the Northeastern sanitary trunk sewer, Contract No. 31 of the comprehensive system of sewerage for the city, will be received at the office of the Commissioners of Sewerage until noon, June 4. The work will consist mainly of building a concrete sewer about 2,290 ft. long, sizes 30 ins. and 24 ins. in diameter, and including about 425 cu. yds. of concrete and about 3,000 lbs. of reinforcing steel. J. B. F. Breed is Ch. Engr.

LOUISVILLE, KY.—Contracts have been awarded by the Commissioners of Sewerage for sewers, bids opened on April 30, as follows: To C. M. McCRACKEN & CO., of

Columbus, Ohio, for Contract 32 at $10,087, and to BURKE & MUNGOVAN, of Louisville, for Contract 34 at $8,137.

The following are the bids opened on May 7 by the Sewer Commissioners for Contract 37: L. R. Figg Co., Louisville, $4,828; E. A. Barker & Sons, Melrose Park, Ill., $5,514; Coupe & Gray, Louisville, $7,362; Fruin-Colnan Contracting Co., St. Louis, $7,478. J. B. F. Breed is Ch. Engr.

MOUNT. GILEAD, OHIO.—M. W. SHAW & CO., Marion, Ohio, have been awarded contract at $8,329 for constructing sanitary sewer and disposal plant. The work includes 5,280 ft. trench under 6-ft., 1,020 6 to 8-ft., 980 ft. 8 to 10-ft., 375 10 to 18-ft., 4,800 ft. 8-in. pipe, 2,400 ft. 10-in. pipe, 500 ft. 15-in. pipe, disposal tank and ¼ acre of filter bed, 35 manholes, etc.

LOUISVILLE, OHIO.—The State Board has approved plans for sewers and a sewage purification plant.

YOUNGSTOWN, OHIO.—Bids are asked until noon, May 21, by the Board of Public Service, W. H. McMillin, Clk., for sewering Burnett St.

WADSWORTH, OHIO.—Bids are asked until noon, May 28, by the Village Clerk for constructing about six miles of sanitary sewer.

TOLEDO, OHIO.—Bids will be received until May 21 by the Board of Public Service, Reynold Volt, Secy., for constructing local sewer No. 1064, along rights of way and several alleys and sewer No. 1080 in Richford St. and alley.

The contract for constructing main sewer No. 1079 of brick, bids opened on May 6, has been awarded to HENRY SHEEHAN, 1208 Collingwood Ave., at $9,000.

CLEVELAND, OHIO.—Bids will be received until May 21 by the Board of Public Service, E. H. McIntosh, Secy., for constructing sewers in Hampden and Olivet Aves. N. E., and in Cornell Road, S. E.

IRONTON, OHIO.—A concrete surface water sewer will be constructed here this summer. Estimated cost, $35,000.

INDIANAPOLIS, IND.—Plans for the construction of a sewer to cost about $37,000 have been prepared by Charles A. Brown, Asst. City Engr., in charge of sewers. The main sewer will be in Raymond St., from Shelby St. to State Ave., with branches in Kelly and Tabor Sts., 8,955 ft. long and ranging from a 10-in. pipe to a concrete or brick sewer 4 ft. 3 in. in diameter.

Bids will be received by the Board of Public Works for the construction of sewers in Washington Boulevard, in the first alley north of Roach St., and in the alley north of 24th St.

The AMERICAN CONSTRUCTION CO. has been awarded contract to build the Miller St. sewer at $1.65 a lin. ft. Estimated cost, $40,000.

COLUMBUS, WIS.—Bids are asked until 2 p. m., May 21, by H. E. Woltersdorf, City Clk., for constructing sanitary sewers, including 722 lin. ft. of 10-in. pipe, 3,330 lin. ft. 8-in. pipe, eight manholes and five lamp-holes.

BELOIT, WIS.—The lowest bid opened on May 7 for sewer work was submitted by Shea & Shea, of Hammond, Ind., as follows: 2,545 ft. 20-in. vitrified pipe, 85 cts.; 3,370 ft. 18-in., 63 cts.; 2,136 ft. 15-in., 50 cts.; 30 manholes, each $26; 36 catch basins, each $36.15. R. R. Caldwell is City Engr.

JANESVILLE, WIS.—Contract for 3,920 ft. of 8-in. pipe sewers, bids opened on May 4, has been awarded by the city to MULHOLLAND & SON, of Kaukauna, at $2,780. C. V. Kerch is City Engr.

BURLINGTON, WIS.—N. F. REICHERT has been awarded contract by the city for laying 1,239 lin. ft. of 15-in- pipe sewer at $1 per lin. ft.; 824 lin. ft. 10-in. pipe, 80 cts.; 944 ft. 12-in. pipe, 80 cts.; three manholes, $30; 15 catch basins, $22; also for storm sewer 589 lin. ft. 12-in. pipe, $1.25; 523 ft. 8-in. pipe, 90 cts.; one manhole, $35; one lamphole, $10; total, $4,325. Other bids were: William Davidson, $4,453; Mulholland & Son, $4,982; Peter G. Pederson, $5,219; T. H. Iglehart, $5,962. P. J. Hurtgen is City Engr.

PLYMOUTH, WIS.—Bids will be received by C. W. Jackson, City Clk., until 8 p. m., June 15, for laying 7,710 ft. of 6-in. pipe sewer, 6,492 ft. of 8-in. pipe sewer, 2,455 ft. of 10-in. pipe sewer, 330 ft. of 12-in., 1,155 ft. of 15-in., 280 ft. of 20-in. and 410 ft. of 24-in. pipe sewer, 24 manholes, 12 catch basins and 19 lamp holes. Plans and specifications may be seen at the office of C. W. Jackson, or at 31 Vroman Bldg., Madison, Wis. W. G. Kirchoffer is Engr., Madison, Wis.

JAMESTOWN, N. DAK.—Bids will be received until May 24 by A. R. Thompson, City Audr., for constructing sewers, sewer district No. 1, in Second Ave. and other streets, 2,985 ft.

GALVESTON, TEX.—J. C. Underwood, of Galveston is lowest bidder at $13,015 for the construction of open and drain on Ave. M and M½. W. E. Austin is Comr. Sts. and Public Property. A. T. Dickey is City Engr.

VERNON, TEX.—The city has awarded contract to F. J. SARGENT, Fort Worth, Tex., for the construction of a sewer system. Estimated cost, $10,000. R. B. Sherrell is City Secy.

HOUSTON, TEX.—Bids are asked by the city until May 31 for the construction of the Austin St. storm sewer, contracts Nos. 1, 2, 3 and 4. Dan C. Smith is City Controller. F. L. Dormant is Consulting Engr.

SEATTLE, WASH.—DICKEN & RIGHTMIRE, 1724 24th Ave., have been awarded contract for sewers in Pine and other streets at $5,195.

EVERETT, WASH.—The Council has passed an ordinance authorizing the construction of a sewer in the alley south of Hewitt St.

FRIDAY HARBOR, WASH.—The city has voted to construct a trunk sewer here. Estimated cost, $5,000.

SPOKANE, WASH.—Plans have been completed for the construction of sewers in Cliff Ave.

SAN FRANCISCO, CAL.—The Board of Public Works on April 29 awarded contract for the construction of a sewer in Lombard St. to the HEALEY-TIBBITTS CONSTRUCTION CO., 268 Market St., San Francisco, at $59,185. Marsden Manson is City Engr.

TORONTO, ONT.—Bids will be received until noon, June 8, by J. J. Ward, Vice-Chn. Civic Board of Control for the construction of Sections 4 and 5 of the high level interceptor requiring approximately 10,700 ft. of circular sewer together with manholes, syphons, connections, etc. Specifications may be seen at the office of C. H. Rust, City Engr. The piping ranges from 6 to 7½ ft. in diameter.

STREETS AND ROADS.

*LAWRENCE, MASS.—No bids were opened on May 5 for 29,000 sq. yds. of granite block pavement on concrete base. The Council did not pass the paving loan ordinance, and no contract can be let until it has been passed. A. D. Marble is City Engr.

FORT GREBLE (Sauderstown post-office), R. I.—Bids are asked until 10 a. m., May 22, by Capt. Willis C. Metcalf, Constructing Q. M., U. S. A., 209 Thames St., Newport, for the construction of roadway, concrete walks and steps and grading.

HARTFORD, CONN.—Bids will be received at the office of the State Highway Comr., Capitol, until 2 p. m., May 21, for the following state road work: Town of Enfield, 14,712 lin. ft. macadam road, including 1,200 lin. ft. cobble gutters, two 15-in. and one 24-in. tile pipe culverts, together with about 1,300 lin. ft. of 15-in. tile pipe sewer; town of East Windsor, 15,645 lin. ft. macadam, including two 30-in. and three 8-in. tile pipe culverts; town of Washington, 1,275 lin. ft. gravel road; town of North Haven, 2,690 lin. ft. macadam-telford road, including one 18-in. tile pipe culvert and reinforced-concrete arch; town of Middlebury, four sections gravel-telford and graded road, aggregating about 5,800 lin. ft., including two 15-in., three 12-in., and two 18-in. tile culverts.

NEWINGTON, CONN.—This town has voted the sum of $13,000 for new road work, to include macadamizing Chapman road.

NEW YORK, N. Y.—Bids are asked until 2 p. m., June 1, by John F. Ahearn, Pres. Boro. of Manhattan, for furnishing materials and performing the work of building an extension and improvement of that portion of Riverside Drive lying between the north and south boundaries of Fort Washington Park (land owned by the city of New York), together with all work incidental thereto.

NEW YORK, N. Y.—Bids were received as follows on May 12 by Bird S. Coler, Pres. Boro. of Brooklyn, for (a) regulating and repaving with asphalt block on a concrete foundation the roadway of 46th St., from Fifth Ave. to Sixth Ave.; (b) 54th St., from Second to Third Ave.; (c) 33d St., from Fourth to Fifth Ave.: Barber Asphalt Paving Co., (a) $4,621, (b) $7,710, (c) $7,880; Hastings Paving Co., 25 Broad St., (a) $7,730, (b) $7,829, (c) $8,070.

Bids were received as follows on May 12 by Bird S. Coler, Boro. Pres., for regulating and repairing with asphalt block on a concrete foundation the roadways of (a) Gerry St., from Flushing Ave. to Throop Ave.; (b) Hart St., from Central Ave. to Irving St.; (c) Stanhope St., from Hamburg Ave. to Wyckoff Ave.; (d) Washington Ave., from Lafayette to De Kalb Ave.; Withers St., from Union to Kingsland Ave.: (a) Barber Asphalt Paving Co., 30 Church St., $10,441; Uvalde Asphalt Paving Co., 1 Broadway, $10,639; Cranford Co., 207 Centre St., $11,127; Standard Asphalt & Rubber Co., 15 Broadway, $10,938; (b) Barber Asphalt Paving Co., $14,231; Uvalde Asphalt Paving Co., $14,869; Cranford Co., $15,557; Standard Asphalt & Rubber Co., $15,216; (c) Uvalde Asphalt Paving Co., $14,640; Cranford Co., $15,342; Barber Asphalt Paving Co., $13,968; Standard Asphalt & Rubber Co., $14,751; (d) Uvalde Asphalt Paving Co., $4,997; Cranford Co., $5,075; Barber Asphalt Paving Co., $4,776; Standard Asphalt & Rubber Co., $5,075; (e) Uvalde Asphalt Paving Co., $22,864; Cranford Co., $24,433; Barber Asphalt Paving Co., $22,363; Standard Asphalt & Rubber Co., $23,949.

*GLENS FALLS, N. Y.—We are officially advised that the WARREN BROS. CO., Boston, has been awarded contract for approximately 10,900 sq. yds. of sheet asphalt pavement on a Portland cement concrete foundation in Warren St., from Culvert to Prospect St., and in Sanford St., from Glen to Bay Sts., at $2.08 per sq. yd. Howard M. West, City Engr.

NEW BRIGHTON (S. I.), N. Y.—Bids are asked by George Cromwell, Pres. Boro. of Richmond, until noon, June 1, for furnishing all the labor and materials required for regulating and repaving with wood block pavement on a concrete foundation the roadway of Heberton Ave., from Post Ave. to Elizabeth St., together with all work incidental thereto; and for furnishing all the labor and materials required for constructing flag or cement sidewalks and reflagging on the west side of Bay St., from Hannah St. to Cross St., and on the east side of Bay St., from Elizabeth St. to Cross St., and other streets, together with all work incidental thereto.

ALBANY, N. Y.—Ordinances have been passed by the Common Council for the following work, bids on which will be asked for shortly: Paving Montgomery St. from the north line of Livingston Ave. to the north line of Lawrence St. with pressed vitrified blocks on a 6-in. concrete foundation, with a vitrified pipe sewer and appurtenances under the carriageway with the necessary curbing, sidewalk flagging and constructing new receiving basins; for laying a vitrified pipe sewer and appurtenances under the north sidewalk of Livingston Ave. from the sewer on the west side of the sand creek road to a point about 300 ft. east of the east line of the sand creek road; for the grading of Yates St. from Ontario St. to Partridge St. and for paving Myrtle Ave. between Lake Ave. and Quail St. with vitrified blocks on rolled gravel foundation. This includes sodding, curbing and the laying of flagstone sidewalk. Walter Melius is City Engr.

*ELMIRA, N. Y.—Bids are asked until 11 a. m., June 2, by the Board of Public Works for grading, paving and curbing the following streets: Walnut St. from West Water St. to north end of bridge; Walnut St. from West Water St. to West Church St.; West Fifth St. from Erie R. R. to Park Pl.; Park Pl. and Main St. from West Third St. to West Clinton St.; Lake St. from Maxwell Pl. to Division St.; Pennsylvania Ave. from Maple Ave. to Erie R. R. John J. Crowley is City Clk.

*MONTCLAIR, N. J.—Bids are asked until 3.30 p. m., June 7, by the Committee on Roads and Assessments of the Essex County Board of Chosen Freeholders for grading and paving with bituminous telford pavement, Normal Ave. in Montclair and Cedar Grove, from Valley road, Montclair, to the Reservoir road, Cedar Grove. Wallace Ougheltree is Dir.

*ELIZABETH, N. J.—Bids will be received by the Joint Committee of the Boards of Chosen Freeholders of the Counties of Union and Middlesex, at the Union County Courthouse, Elizabeth, until 2.30 p. m., June 10, for the construction of a stone road, known as an "amesite road," on Jefferson Ave., being the dividing line between the city of Plainfield, Union County, and the Borough of Dunellen, Middlesex County, beginning at West Front St. and extending to Green Brook. The length of the roadway between said points is about 2,045 lin. ft. The width of the stonework is 16 ft. George S. Bunting is Clk.

BAYONNE, N. J.—The WARREN ASPHALT PAVING CO., New York, N. Y., has been awarded contract for paving with asphalt 27th St., from Ave. A to Ave. E., at $21,326. W. C. Hamilton is City Clk.

HACKETTSTOWN, N. J.—The following bids were opened on April 30 by the Board of Chosen Freeholders for constructing a road through Mansfield and Washington townships, about 45,341 ft.: (a) macadam, (b) with asphaltum binder, (c) asphalt: JOHN GINDER, Trenton, (a) $54,193, (b) $63,009 (awarded contract), (c) $88,086; Sutton, Coursen & Co., Ocean City, (a) $60,527, (b) $80,812, (c) $110,434; Kingston Construction Co., Wilkes-Barre, Pa., (a) $96,760, (b) $107,339; Salmon Bros., Hackettstown, (a) $60,438, (b) $71,722, (c) $92,176; Bushkill Quarry Construction Co., Easton, Pa., (a) $60,956, (b) $71,537, (c) $103,275; Miles-Tighe Co., Easton, Pa., (a) $73,383, (b) $79,730; B. M. Shanley Son & Co., Newark, (a) $67,970, (b) $76,454, (c) $80,685; E. C. Humphrey & Co., Hackensack, (a) $67,307, (b) $79,297, (c) $120,204; George M. French, Easton, (a) $70,535, (b) $88,167, (c) $112,853; Charles Silery and James Rivo, (a) $75,019, (b) $92,650, (c) $120,865; E. D. Bakin, Binghamton, N. Y., (a) $56,907, (b) $66,076, (c) $93,467.

CONEMAUGH, PA.—The contract for 19,600 sq. yds. of paving on Main, Locust, Chestnut, Second, Third and Fourth Sts. has been awarded to the THIELE CONSTRUCTION CO., of Johnstown, Pa., at 25 cts. per sq. yd., which does not include furnishing the brick and sand. The brick will be purchased direct by the Borough Council, the contract for 450,000 vitrified pavers having been awarded to the CLYMER BRICK & FIRE CLAY CO., Indiana, Pa., at $17.25, and for a like number to the WILLIAMS & GROVE CO., Clearfield, Pa., at $17.50 per M.

WINDBER, PA.—The contract for paving 17th St. has been awarded to LOWRY & MACK, of this place, at $1.22 per sq. yd. for grading and paving, and 60 cts. per lin. ft. for curbing. The contract for the brick to be used has been awarded to the WILLIAM P. KELLY BRICK WORKS, of this place.

SCALP LEVEL, PA.—The contract for curbing both sides of Main St. has been awarded to DANIEL BAREFOOR, of this place, at 54 cts. per lin. ft. The contract for paving the street was not awarded, and bids will be asked for during the latter part of this month.

NORTH CHARLEROI, PA.—The Borough Council has decided to select an engineer to prepare plans and specifications for the improvement of several of the principal streets here. There is no borough engineer, and bids will be asked shortly for doing the above work. The contract will be awarded in June, and the work completed this summer.

TITUSVILLE, PA.—Bids will be received by the city until May 26 for paving Walnut, West Elm and Brown Sts. with vitrified repressed block, asphalt block or sheet asphalt, and Martin St. with vitrified repressed block. H. A. Holstein is City Engr.

*WASHINGTON, D. C.—Bids were received as follows on May 15, at the office of the Commissioners of the District of Columbia, for paving in the District: Laying asphalt block pavements, Washington Asphalt Block & Tile Co., Washington, 5-in. asphalt blocks, on gravel base, $1.80 per sq. yd.; 4-in., within city limits, $1.65; without city limits, $1.80; 3-in. asphalt blocks, with 4-in. concrete base, $2. Sheet asphalt pavements: Cranford Paving Co., Washington, laying standard pavements, 2¼ ins. asphalt, 2-in. binder; 6-in. concrete base, $1.455; vitrified block, concrete base, $1.21. Brennan Construction Co., asphalt, $1.67; block, $1.29.

The contract for grading 16th St., between Webster and Kennedy Sts., N. W., has been awarded by the District Commissioners to G. B. MULLIN, at 27½ cts. a cu. yd. of material moved, or about $4,400.

PORTSMOUTH, VA.—Contract for furnishing 140,000 sidewalk paving bricks, bids opened on May 6, has been awarded to S. P. POST, of Portsmouth, at $16 per M., delivered. Bascom Sykes is City Engr.

GAINESVILLE, GA.—The GEORGIA ENGINEERING CO., Augusta, Ga., has been awarded contract, at $1.84 per sq. yd., for paving streets with 17,000 yds. of vitrified brick.

SCRANTON, MISS.—The ...unties of Mobile and Jackson will construct ... speedway from Scranton to Mobile. Jackson C. H., will issue $25... County, Scranton Turnbull, of Scranton, ... of bonds. Mar... Secy. Interstate Road Congress.

GREENVILLE, OHIO.—... will be received by the Board of ... Service until May 28 for approximately ... 500 sq. yds. paving, together with the ... sary curbing, draining and grading, and ... 13,500 sq. ft. cement sidewalk. L. N. ... Engr.

CLEVELAND, OHIO.—... re asked until 11 a. m., May 29, by ... m F. Black, Clk. County Comrs., for ... ing, draining and improving Center ... Road, from Wooster Road in Rocky ... Township to the west line of Rocky ... wnship.

STEUBENVILLE, OHIO.—... are asked until noon, May 25, by the ... sioners, for grading and ... ty Commissioners ... miles of road in Cross Creek ... mizing 1.33 timated cost, $7,378. ... nship. Estimate State Highway Comr., Colum... Wonders is

ASHLAND, OHIO.—Bids ... be received until May 24 by the Mayor ... Council for paving Chestnut St., bids on ... and material to be stated separately ... L. Berry is Engr., Ashland.

COLUMBUS, OHIO.—Bids ... be received until June 2 by the Board ... Commissioners, John Scott, Clk., for ... adamizing the Harrisburg Pike, Franklin ... Jackson townships, a distance of about ... miles.

PIQUA, OHIO.—Bids will be received by the Board of Public Service, W. ... Mitchell, Clk., until June 15 for improving High St. by grading, curbing, construct... culverts, drains and retaining walls and ... with brick, macadam or bitumino... macadam about 14,800 sq. yds. of paving.

YOUNGSTOWN, OHIO.—JOHN ... RADY, of Youngstown, Ohio, has been awarded contract, at $8,802, for paving Commerce St.

YOUNGSTOWN, OHIO.—Bids will be received until May 22 by Frank A... Secy. Bd. Comrs., Road District No. ... Youngstown, for turnpiking South Ave. Road, Section No. 2, 21,252 ft., and the Boardman North and South Center Road, Section No. 3, 1,784 ft.

CHATFIELD, OHIO.—Bids will be received until May 21 by the Commissioners of Chatfield Township, Town Hall, Chatfield, for grading, macadamizing and piking Burgbacher Road, a distance of 7,000 ft. and Schneider Road, 15,033 ft. George Gugel is Comr.

INDIANAPOLIS, IND.—Bids will be received for the construction of gravel roads in the several counties of Indiana as follows: June 8, Peru, Commissioners Miami County, two roads; June 8, Paoli, Commissioners Orange County, one road; June 8, Fowler, Commissioners Benton County, seven roads; June 7, Crown Point, Commissioners Lake County, one road; June 7, Greenfield, Commissioners Hancock County, two roads; June 9, Bloomington, Commissioners Monroe County, three roads; June 7, Danville, Commissioners Hendricks County, one road; June 8, Versailles, Commissioners Ripley County, three roads; June 7, Lawrenceburg, Commissioners Dearborn County, one road; June 7, Tipton, Commissioners Tipton County, three roads; May 27, Greenfield, Commissioners Hancock County, two roads; June 8, Bedford, Commissioners Lawrence County, three roads; June 8, Crawfordsville, Commissioners Montgomery County, one road.

MONTICELLO, IND.—M. I. HANWALT has been awarded contract, at $5,500, for constructing the H. N. Shook Road, including three miles of gravel road and one 50-ft. iron bridge.

FOWLER, IND.—HAYNES & SIMS have secured contract, at $16,426, for constructing six miles of stone road on county line between Benton and Jasper counties.

GREENCASTLE, IND.—CARTER & VINZANT, Bainbridge, Ind., have been awarded contracts, at $3,200 and $10,300, for constructing macadam roads, three miles in Greencastle and Monroe townships and 1¾ miles in Marion Township, Putnam County.

LAWRENCEVILLE, ILL.—We are officially advised that bids were received as follows by the city for the Market St. improvement: Kirkpatrick Bros., Greenfield, Ind., $18,348; George T. Miller, Lebanon, Ind., $18,752; J. F. Collins, Mt. Vernon, Ill., $19,184; Roetzel & Chipman, Evansville, Ind., $19,285; H. C. Gass, Belleville, Ill., $19,717; Curdie & Moupin, Alton, Ill., $19,752; J. A. Foster & Co., Attica, Ind., $19,983; Wolf Bros., Alton, Ill., $20,323; Samuel Monroe & Son, Portsmouth, Ohio, $20,378; J. S. Allen and D. A. Myers, Peoria, Ill., $20,381; L. W. Johnson, Danville, Ill., $20,505; Wm. Lough, Arcola, Ill., $21,260; National Equipment & Supply Co., Lawrenceville, Ill., $21,485; Pennington O'Donell Co., Vincennes, Ind., $21,985. Engineer's estimate, $21,110. G. W. Courter is Engr., Mt. Carmel, Ill.

BELOIT, WIS.—Bids are asked until 10 a. m., May 22, by the Board of Public Works for laying sidewalks for ensuing year.

DES MOINES, IOWA.—Bids will be received until May 21 by the City Council for paving with sheet asphalt on West Grand Ave., about 7,622 sq. yds. George F. Poorman is City Clk.

Bids will be received until May 28 by George F. Poorman, City Clk., for vitrified brick and cement, concrete driveways and sidewalks, etc.

FORT SNELLING, MINN.—Bids are asked until 11 a. m., May 27, by Capt. R. C. Croxton, Constructing Q. M., Army Bldg., St. Paul, for the construction of road and grading in connection with new stables now being constructed at Fort Snelling.

WHITE BEAR LAKE, MINN.—Bids will be received until June 7 by the Board County Commissioners, St. Paul, for improving Lake Ave., White Bear Lake. Edward 9. Krabmer is Co. Audr.

LAWRENCE, KAN.—Bids are asked by P. D. Brooks, City Clk., until 5 p. m., June 7, for grading, paving and curbing various street and constructing lateral sewers, repairing 3,900 sq. yds. excavation, 15,000 sq. yds. paving, 1,200 ft. curb.

FULTON, MO.—Bids are asked until June 3 by P. D. Thurmond, City Engr., for 7,600 sq. yds. of macadam and 4,600 ft. of granoid curb and gutter, including 4,000 cu. yds. excavation.

GALVESTON, TEX.—I. C. UNDERWOOD has secured contract, at $7,526, for the construction of curb and sidewalks on the Boulevard.

CENTRALIA, WASH.—Bids were opened on May 4 for improving Maple, Magnolia, Main and other streets by grading, constructing storm drains, sidewalks, crosswalks, curbs and gutters. Contract has been awarded to the WEST CONSTRUCTION CO., of Astoria, Ore., at $16,997.

WALLA WALLA, WASH.—The RICH & HARRIS CONSTRUCTION CO., of Seattle, has secured the contract, it is reported, for paving with asphalt various streets, at about $100,000.

SANTA BARBARA, CAL.—The PATTILLO CONTRACTING CO. has been awarded contract, at $46,000, for improving roads in permanent road division of Monticello, including Road No. 1, Coast Highway, city limits to foot Orlega Hill; No. 2, Hot Springs Ave., city limits to Valley Road; No. 3, Knowles corner to Para Grande Lane; No. 4, San Ysidro Road, Coast Highway to Valley Road; No. 5, Sycamore Canon Road, Hot Springs Ave. to Wade corner; grading and paving about 6.16 miles of road.

SALT LAKE CITY, UTAH.—Bids will be received until May 28 by the Board Public Works, M. G. McMillin, Chn., for grading, curbing and paving Third South and Main Sts. Louis C. Kelsey is City Engr.

MANUFACTURING PLANTS.

HAVERHILL, MASS.—We are officially informed that W. T. Stevens & Sons Co., Haverhill, Mass., have begun work on a weave mill from plans by Charles T. Main, Mill Engr. and Arch., 45 Milk St., Boston. The mill is to be 220 ft. long by 128 ft. wide and two stories high with basement. The specifications call for a building of regular mill construction and roof of the saw-tooth type with double glazed skylights. Power is to be provided for 260 looms to be motor driven. Heating will be by steam and sprinklers are to be installed.

HOLYOKE, MASS.—See item under Light and Power Plants.

WORCESTER, MASS.—The Graton & Knight Mfg. Co. is to erect a 5-story addition to its factory at a cost of $60,000.

BRISTOL, CONN.—The E. Ingraham Co., manufacturers of clocks, have received plans for an addition to its plant, 136 × 38 ft., five stories high, of mill construction; also a new boiler house. Contract will be let soon.

GENEVA, N. Y.—The Geneva Preserving Co. will add to its plant a storage warehouse, work to be commenced next month.

UTICA, N. Y.—The bids received on May 12 by the State Commission in Lunacy, Albany, N. Y., for the construction of laundry, including heating, plumbing and electric work, at the Utica State Hospital, Utica, N. Y., were: (a) construction, (b) add for heating and plumbing, (c) add for conduit work: Holler & Shepard, Rochester, N. Y., (a) $34,200, (b) $4,207, (c) $5,558; John Dyer, Jr., Albany, N. Y., (a) $31,350, (b) $5,015, (c) $4,947; Morris Kantrowitz, Albany, N. Y., (a) $36,000, (b) $4,709, (c) $4,600; Merrill-Ruckgaber Co., New York, (a) $30,500, (b) $6,300, (c) $4,200; R. C. Lloyd Co., Utica, N. Y., (a) $37,366, (b) $671, (c) $5,039; Ambrose M. Stannard, St. James Bldg., New York, (a) $41,788, (b) $4,700, (c) $5,900; Francis B. McNevin, Utica, N. Y., (a) $45,388, (b) $6,497, (c) $5,114; Pius Kerner & Son, Utica, N. Y., (a) $34,900, (b) $4,671, (c) $5,139; A. E. Stephens Co., Albany, N. Y., (a) $28,450, (b) $4,196, (c) $5,358; Peter Keeler Building Co., Albany, N. Y., (a) $30,990, (b) $4,305, (c) $5,520; R. Richards & Son, Utica, N. Y., (a) $29,701, (b) $5,159, (c) $5,350; Watertown Construction Co., Watertown, N. Y., (a) $33,733, (b) $5,302, (c) $6,339.

PAINTED POST, N. Y.—The machine shop addition which the Ingersoll-Rand Drill Co. will erect will be 72 × 288 ft., one story, brick and steel. The LANE BRIDGE CO. has contract for steel work in the building.

WARSAW, N. Y.—The Brown Knitting Co. will build a 3-story and basement addition to its factory, contract for same having been let to PETER & NICHOLSON.

NEW YORK, N. Y.—See item under Buildings.

KING'S PARK (L. I.), N. Y.—See item under Light and Power Plants.

AMSTERDAM, N. Y.—The Shuttleworth Bros. Co., Amsterdam, will erect a new mill, 20 × 65 ft., six stories high.

CAMDEN, N. J.—Ballinger & Perrot, Archs. and Engrs., of Philadelphia, Pa., have awarded contract to GEORGE BACHMANN, of Camden, for an additional building, one story, 60 × 100 ft., for the plant of B. F. Boyer & Co., Marlton and River Aves., Camden.

LODI, N. J.—We are officially advised that the TURNER CONSTRUCTION CO., 11 Broadway, N. Y., have been awarded contract for the construction of a reinforced-concrete roof and monitors for the new 1-story factory building for the United Piece Dye Works, at Lodi. This building is 268 ft. × 295 ft. Work will be undertaken at once. Approximate value of reinforced-concrete work, $40,000.

PHILADELPHIA, PA.—The Hale & Kilburn Mfg. Co. has awarded a contract for the erection of a 5-story reinforced-concrete factory, 195 x 150 ft., at the northeast corner of Glenwood and Margie Aves., to JOHN G. BROWN. It will cost about $160,000.

YORK, PA.—The Pennsylvania Foundry Co. will build a foundry building, 100 × 100 ft.; a pattern shop, 60 × 40 ft., two stories, of brick and steel, and an office building of brick, to replace plant destroyed by fire. Carleton F. Spinney is Pres.

NORTH EAST, PA.—Contract for sheet metal work and slag roof on the 4-story factory building to be erected here by the Grape Products Co. has been let to JAMISON & CO., of Buffalo, N. Y., and for steel reinforcement to the PHILADELPHIA STEEL & WIRE CO.; mill work, CONSTABLE BROS., Erie, Pa. Total cost of building, $200,000.

HONESDALE, PA.—The American Knitting Co. has awarded a contract to J. D. BRYANT to erect a new building, 105 ft. long, adjacent to the present plant of the company. The new structure will be used for storage purposes.

SPARTANBURG, S. C.—The Fairmount Mfg. Co., Harry B. Jennings, Pres., located on the Middle Tyger River, eight miles from Spartanburg, is planning, it is reported, the expenditure of $300,000 for enlarging and improving the plant.

ATLANTA, GA.—The Fulton Bag & Cotton Mills, Atlanta, will build an addition for the picker department. This structure will be of reinforced concrete and the plans and specifications are being prepared. The company now operates 100,000 ring spindles, 2,500 looms, etc., on cordage, bags, etc.

GOSHEN, IND.—J. M. Yorder, C. E. Greenwalt and A. R. Zook will receive bids for the construction and equipment of a milk condensing plant as soon as plans are completed.

NEW CARLISLE, IND.—Hauser & Co. are preparing to construct and equip a modern and extensive meat stacking plant and slaughter-house. Harold N. Moyer is Pres.

FORT WAYNE, IND.—The Fort Wayne Knitting Co. has ordered plans for the erection of a 3-story building to be used for the benefit of the employees. Bids will be asked when plans are completed.

GREAT FALLS, MONT.—McRae and Cluston are preparing to erect a large sash and door factory here.

FORT WILLIAM, ONT.—The Canadian Pacific Ry. Co. will install a plant here for creosoting railroad ties.

NIAGARA FALLS, ONT.—It is stated that the plant of the British Canadian Smelter Co., at Chippewa, near here, destroyed by fire on May 15, will be rebuilt on a large scale.

TORONTO, ONT.—The Canadian Kodak Co. will erect a 5-story and basement factory at Adelaide and Portland Sts. Cost, $50,000.

MISCELLANEOUS CONTRACTS.

U. S. RECLAMATION SERVICE.—Items regarding irrigation, canal projects, etc., will be found under Water Supply—Irrigation.

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*DREDGING.—Portland, Me.—Bids will be received by Lieut.-Col. George A. Zinn, Corps Engrs., U. S. A., until noon, June 4, for dredging in Union River.

PIERS.—Galveston, Tex.—M. C. BOWDEN, of Galveston, has been awarded the contract for rebuilding of Piers 12 and 13, which were destroyed by fire last January, at about $52,000.

DREDGING.—New York, N. Y.—Bids are asked until 11 a. m., June 2, by Bird S. Coler, Pres. Boro. of Brooklyn, for dredging Gowanus Canal from the head to the Hamilton Ave. bridge.

SHED.—San Francisco, Cal.—The Board of Harbor Commissioners on April 29 let the contract for the construction of a shed on Filbert St. wharf to W. L. GRAFF, whose bid of $12,843 was the lowest submitted.

*METAL WORK.—Wilmington, Del.—Bids are asked by the Light House Engineer, Wilmington, Del., until 10 a. m., June 16, for furnishing the metal work for tower at Reedy Island Range Rear Light Station, Del.

*ABUTMENT, PIERS, ETC.—Wheeling, W. Va.—Bids will be received until 11 a. m., June 16, by Capt. F. W. Alstaetter, Corps Engrs., U. S. A., Wheeling, for abutment, piers and weirs for Dam No. 8, Ohio River.

SUPPLIES.—Benicia, Cal.—Bids will be received by Lieut.-Col. J. W. Benet, Benicia Arsenal, until June 1, for furnishing during the fiscal year ending June 30, 1910, steel, lumber, cements, electrical supplies, etc.

*JETTY.—Galveston, Tex.—Bids are asked by Capt. John C. Oakes, Corps Engrs., U. S. A., until noon, June 10, for jetty work at Aransas Pass, Tex. Specifications are on file at the office of Engineering News, New York.

*DREDGING.—New London, Conn.—Bids were received as follows, on May 5, by Maj. Harry Taylor, Corps Engrs., U. S. A., for dredging in Connecticut River: Hartford & New York Transportation Co., $9,900; P. Sandford Ross, Inc., $11,250.

*DREDGING.—Jacksonville, Fla.—Bids are asked until noon, June 3, by Capt. George R. Spalding, Corps Engrs., U. S. A., Jacksonville, for dredging and for hire of dredging plant in the St. Johns River, between Jacksonville and Mayport, Fla.

*TUNNEL.—Chicago, Ill.—Bids are asked until noon, May 27, by The Chicago Rys. Co. for reconstruction of the Washington St. tunnel between Clinton St. and Canal St. Plans and specifications are on file at office of Engineering News, New York.

GRAND STAND.—Des Moines, Iowa.—The Iowa State Fair Association has awarded the contract for the new steel grand stand at the state fair grounds to the DES MOINES BRIDGE & IRON WORKS, which agreed to put up the structure for $78,000.

METAL WORK.—Detroit, Mich.—The following bids were opened on April 30 by the Light House Engineer, Detroit, for furnishing metal work required for the tower for Duluth North Pier, Minn., light station: CHAMPION IRON CO., Kenton, Ohio, $2,650 (awarded contract); Vulcan Iron & Steel Works, Milwaukee, Wis., $3,310; Russell Wheel & Foundry Co., Detroit, $3,797.

WHARVES.—Fort Mason (San Francisco post-office), Cal.—Bids will be received until May 27 by Maj. George McK. Williamson, Q. M., U. S. A., Fort Mason, for reconstructing wharf at Fort Barry; also separate bids for repairs to wharf at Fort McDowell.

WIRE FENCE.—Fort Moultrie (Moultrieville post-office), S. C.—Bids were received by the Constructing Quartermaster, U. S. A., on March 30 for constructing wire fence around reservation Battery Capron. The contract has been let to JOHN F. RILEY, Clarkston.

*REMOVING WRECK.—New York, N. Y.—Bids were received on May 6 by Lieut.-Col. S. W. Roessuer, Corps Engrs., U. S. A., Army Bldg., for removing the wreck of the S. S. "Daghestan." The contract has been let to JOHNSTON & VIRDEN, of Lewes, Del., at $33,700.

DREDGING.—Vallejo, Cal.—One bid was received as follows at the Bureau of Yards and Docks, Navy Department, Washington, D. C., for dredging about 100,000 cu. yds. at the Navy Yard, Mare Island: Standard American Dredging Co., 437 California St., San Francisco, Cal., 20 cts. per cu. yd.

SEAWALL.—San Francisco, Cal.—Bids are asked until 11 a. m., June 10, by the State Harbor Commissioners, Union Depot & Ferry House, for furnishing materials and constructing Sections 8 and 9 of the seawall on the water front of the City and County of San Francisco. W. B. Thorpe is Secy. Bd.

DITCH.—Mantorville, Minn.—Bids were received on April 16 by George L. Taylor, County Audr., for construction of Judicial Ditch No. 1. Contract has been let to GEORGE E. CONN, of Royal Center, Ind., at 7½ cts. per yd. for 194,646 cu. yds. of main ditch; 9 cts. per yd. for 298,794 cu. yds. of laterals.

COPPER PLATE.—Winnipeg, Man.—Bids will be received until 11 a. m., May 25, by Magnus Peterson, Secy. of the Civic Bd. of Control, for the supply of soft copper plate No. 16 Birmingham gage as follows: 1,350 pieces of 24 × 36-in. plain and the same number of pieces of 4 × 6-in. each punched with two 11/16-in. holes.

FOUNDATION.—Washington, D. C.—Bids will be received by the Light House Engineer, Baltimore, Md., until noon, May 22, for furnishing part of the materials and all of the labor for constructing a foundation for a storehouse to be erected on the lighthouse wharf at the intersection of O and Water Sts., Washington.

CEMENT.—San Francisco, Cal.—A contract was also awarded by the Board of Harbor Commissioners to the SANTA CRUZ PORTLAND CEMENT CO. for supplying the Harbor Commission with cement. The contract calls for from 60,000 to 100,000 barrels to be delivered within 20 months. The price will be $1.90 a bbl., f. o. b. San Francisco.

*DREDGING.—New London, Conn.—Bids were received as follows on May 5 by Maj. Harry Taylor, Corps Engrs., U. S. A., for dredging in Connecticut River: (a) price per cu. yd., (b) total: Hartford & New York Transportation Co., (a) 11cts., (b) $9,900; P. Sanford Ross, Inc., (a) 12 ½cts, (b) $11,250. About 90,000 cu. yds. are to be dredged.

SODIUM NITRATE.—Washington, D. C.—The Chief of Ordnance, War Department, Washington, has awarded contract for furnishing 4,500,000 lbs. of sodium nitrate to W. R. GRACE & CO., 1 Hanover Sq., New York, at $103,500. Also for furnishing two sets of forgings for 6-in. guns to the MIDVALE STEEL CO., Nicetown, Philadelphia, Pa.

COPING.—Washington, D. C.—Bids will be received by H. L. Pettus, Constructing Q. M., U. S. A., Tacoma Substation, Washington, until noon, June 2, for constructing a concrete coping upon the sea wall, and grading and sodding slopes next to sea wall, at Washington Barracks, D. C. Plans, specifications, blank proposals, and further information furnished on application.

RIVER AND HARBOR WORKS.—Baltimore, Md.—Bids are asked until 1 p. m., June 7, by Maj. W. E. Craighill, Corps Engrs., U. S. A., Room 7, Custom House, Baltimore, for dredging Claiborne Harbor, Elk, Chester, Warwick, La Trappe, Wicomico and Pocomoke Rivers, Md., Nanticoke River, Del. and Md., and Broad Creek River, Del. Specifications are on file at the office of Engineering News, New York.

CEMENT.—Altoona, Pa.—Contract for 40,000 bbls. of cement to be used in the construction of a dam to be built at Kittanning Point, to furnish the city of Altoona with water, has been let to McKALLIP & CO. of Pittsburg, and work on the reservoir is to be started immediately. The contract for constructing the dam has been awarded to SEANOR & CARUTHERS, of Greensburg. The dam will be 2,000 ft. long, 8 ft. wide and 35 ft. high. The point where the dam will be built is at the Horseshoe curve of the Pennsylvania R. R.

*TUNNEL.—Boston, Mass.—Bids were received as follows by the Boston Transit Commission, B. Leighton Beal, Secy., 15 Beacon St., March 30, for constructing Section 1 of the tunnel under Beacon Hill for the Cambridge connection: (a) all work assumed to be done in free air; (a) 300 lin. ft. assumed to be done under compressed air, the remainder in free air: Peter W. Hill, 426 Old South Bldg., Boston, (a) $749,665, (b) $177,265; Joseph McCabe, 505 Banigan Bldg., Providence, R. I., (a) $610,684, (b) $685,634; Coughlan & Sheils Co., 43 Tremont St., Boston, (a) $605,450, (b) $639,510; Manufacturers' Contracting Co., Wilmington, Del., (a) $592,060, (b) $622,770; Jones & Meehan, 10 Tremont St., Boston, (a) $546,115, (b) $570,225; North Eastern Construction Co., 6 Beacon St., Boston, (a) $532,806, (b) $561,976; Bruno & Petitti, 18 Tremont St., Boston, (a) $530,950, (b) $551,010; William H. Smith Co., 445 Tremont Bldg., Boston, (a) $524,730, (b) $546,800; Coleman Bros., 15 Court Sq., Boston, (a) $520,207, (b) $538,332; Metropolitan Contracting Co., 95 Milk St., Boston, (a) $448,732, (b) $515,715; United Engineering & Contracting Co., 32 East 32d St., New York, (a) $481,800, (b) $499,752; Patrick McGovern, 6 Beacon St., Boston, (a) $469,097, (b) $483,562.

*IRON FENCE.—Boston, Mass.—Bids were received as follows on May 10, by the Charles River Basin Commission, 307 Boylston St., for about 7,000 lin. ft. of iron fence along the basin wall of the Boston embankment. Hiram A. Miller, Ch. Engr.: VULCAN RAIL & CONSTRUCTION CO., North Ninth St., Brooklyn, N. Y., $13,246 (awarded contract); Belmont Iron Works, Philadelphia, Pa., $15,700; The Market Forge Co., Boston, Mass., $15,800; Walworth Construction & Supply Co., Boston, Mass., $15,977; New Jersey Foundry & Machine Co., New York, N. Y., $16,933; The Norcross Bros. Co., Worcester, Mass., $17,240; C. & W. Mfg. Co., New York, N. Y., $17,741; The Wm. F. Remppis Co., Reading, Pa., $17,789; The Commercial Iron Works, Providence, R. I., $18,004; Cambridge Architectural Iron Works, Cambridge, Mass., $18,400; Lafferty & Weir, New York, N. Y., $18,787; The Van Dorn Iron Works Co., Cleveland, Ohio, $19,380; W. A. Snow Iron Works, Inc., Boston, Mass., $19,677; Chester B. Albree Iron Works Co., Allegheny, Pa., $19,700; Chelmsford Foundry Co., Medford, Mass., $19,954; American Wire Form Co., Inc., New York, N. Y., $20,410; New England Anchor Fence Co., Boston, Mass., $20,884; Gibby Foundry Co., East Boston, Mass., $20,900; Smith & Lovett Co., Boston, Mass., $21,027; A. B. Robbins Iron Co., Quincy, Mass., $21,224; Woodbury & Leighton Co., Boston, Mass., $22,185; Fred A. Houdlete & Son., Inc., Boston, Mass., $24,000; Geo. T. McLauthlin Co., Boston, Mass., $29,750; Model Iron & Wire Works, Milwaukee, Wis., $49,692 (informal).

For other Proposal Advertisements see pages 51, 52, 54, 56, of Advertisements and Construction News page 170.

STONE ROAD.

Camden, N. J., May 18th, 1909.

Sealed proposals are invited for building a stone road twenty-two feet wide from Camden to Haddonfield, a distance of 4.13 miles, of either Amisite or Asphaltum Oil Macadam, in accordance with the plans and specifications on file at the office of State Commissioner of Roads, Trenton, N. J., and also at the office of the Clerk of the Board of Chosen Freeholders, at Camden, N. J. Bids will be received, immediately opened and publicly read at the meeting of Camden County Board of Chosen Freeholders on Wednesday, June 9th, at 11 A. M.

The Board reserves the right to reject any or all bids and decide as to the responsibility of the bidders.

ALFRED L. SAYERS,
Director.

J. J. ALBERTSON,
County Engineer.

STONE ROADS.

Elizabeth, N. J.

Proposals are asked for the construction of Mecadam Roads on Edgar Road, in the Township of Linden, from a point 500 feet southwesterly from the intersection of the track of the Baltimore and New York Railroad, thence along Edgar Road, southwesterly, and along Lenington Street and Milton Avenue, in the City of Rahway, to the intersection of Milton Avenue and Main Street in the City of Rahway, all in the County of Union, N. J.

The length of the roadway is 18,226 lin. ft.

The width of the macadam is to be 16 feet.

The work is to be finished with Asphaltum Binder.

The estimated quantities of the items of the work are as follows:

8-inch Macadam, 7,374 sq. yds.
8-inch Macadam, with old stone underneath, 25,098 sq. yds.
Excavation, 27,258 cu. yds.
Underdrains, 500 lin. ft.
Rock Excavation, 250 cu. yds.
Cobble Gutters, 700 sq. yds.

Plans, profiles and specifications for this work may be examined at the office of the County Engineer, 130 Broad Street, Elizabeth, N. J.

Bidders must enclose with their bids a certified check for $1,000, made payable to the Director of the Board of Chosen Freeholders as a guarantee that if the contract be awarded to such bidder, the bidder will enter into an agreement with the Board of Freeholders for the carrying out of the work.

Bids for the above described work will be received by the County Road Committee of the Board of Chosen Freeholders of the County of Union, at the Court

House, Elizabeth, N. J., at 2.30 P. M., on Thursday, June 10th, 1909.

The Board of Freeholders or its Committee reserves the right to reject any and all bids, as they may deem best for the interests of the County.

JACOB L. BAUER,
County Engineer,
130 Broad St.,
Elizabeth, N. J.

STONE ROADS.

Elizabeth, N. J.

Proposals are asked for the construction of Macadam Roads, from the intersection of Washington Avenue and Grove Street, in the City of Elizabeth, thence along Washington Avenue and the Edgar Road, southwesterly, to a point in Edgar Road, in the Township of Linden, 500 feet southwesterly from the intersection of the track of the Baltimore and New York R. R. Company, all in the County of Union, N. J.

The length of the roadway to be macadamized is 7,425 lin. ft.

The width of the macadam is to be 16 feet.

The work is to be finished with Asphaltum Binder.

The estimated quantities of the items of the work are as follows:

8-inch Macadam, 5,236 sq. yds.
8-inch Macadam, with old stone underneath, 8,444 sq. yds.
Excavation to point 800 ft. northeasterly from Railroad, 5,498 cu. yds.
Excavation in section at Railroad, 8,324 cu. yds.
Underdrains, 500 lin ft.
Street Basins, near Bayway, 2.
Manhole, at Bayway, 1.
12-inch stoneware pipe drain, at Bayway, 200 lin. ft.
Rock Excavation, 100 cu. yds.
Cobble Gutters, 333 sq. yds.

Plans, profiles and specifications for this work may be examined at the office of the County Engineer, 130 Broad Street, Elizabeth, N. J.

Bidders must enclose with their bids a certified check for $1,000, made payable to the Director of the Board of Chosen Freeholders as a guarantee that if the contract be awarded to such bidder, the bidder will enter into an agreement with the Board of Freeholders for the carrying out of the work.

Bids for the above described work will be received by the County Road Committee of the Board of Chosen Freeholders of the County of Union, at the Court House, Elizabeth, N. J., at 2.30 P. M., on Thursday, June 10th, 1909.

The Board of Freeholders or its Committee reserves the right to reject any or all bids, as they may deem best for the interests of the County.

JACOB L. BAUER,
County Engineer,
130 Broad Street,
Elizabeth, N. J.

GRAVEL ROAD.

Cape May County, N. J.

Sealed proposals will be received by the Board of Chosen Freeholders of Cape May County, N. J., until twelve o'clock noon of the day of its meeting on the eighth day of June, nineteen hundred and nine (1909), at Cape May Court House, N. J., for the construction of a gravel road from the ending of the First Section of the Goshen Road to the bridge over Sluice Creek, a distance of two and six hundred three thousandths miles (2.603), and known as the second section of the Goshen Road.

Said road to be constructed according to plans and specifications, which may be seen at the office of Hon. Frederick Gilkyson, State Commissioner of Public Roads, Trenton, N. J.; at the residence of A. B. Smith, Director, Beesleys Point; J. P. Fox, Chas. Seyres and W. S. Johnson, Ocean City; J. D. Ludlam, South Dennis; Sylvester Spence, Goshen; D. Shellenger, Erma; J. T. Bennett and D. W. Rodan, Cape May City, or at the office of the Engineer at Ocean City, N. J.

On the day and date first mentioned all proposals received for said work will be immediately opened and publicly read by the Board of Chosen Freeholders of Cape May County, N. J., the said Board reserving the right to reject any or all bids, if deemed to the best interests of the County.

Each bid must be accompanied by a certified check to the amount of One Thousand Dollars ($1,000.00), drawn payable to the order of Anthony B. Smith, Director of the Board of Chosen Freeholders of Cape May County, N. J. The successful bidder will be required to execute within ten days after the contract has been awarded to him a bond in such sum and with such security as shall be approved by the Board of Chosen Freeholders; said bond shall be in a sum of not less than the estimated cost of the road when completed.

Each bidder will be required to submit to the State Commissioner of Public Roads, Hon. Frederick Gilkyson, Trenton, N. J., and to the Engineer prior to the time of submitting bid for construction a sample of each class of gravel he proposes to use in the construction of this road.

All proposals must be on the regular "Proposal" form provided for the purpose; sealed and plainly marked on the outside of envelope enclosing them "Proposal for Second Section Goshen Road," with name and address of bidder.

By order of the Board of Freeholders.

ANTHONY B. SMITH,
Director.
R. FENDALL SMITH,
County Engineer.

PAVING.

Geneva, N. Y., May 18th, 1909.

Sealed bids will be received by the Board of Public Works of the City of Geneva, N. Y., until 7.30 P. M., Thursday, June 3d, 1909, on the following items for street paving with macadam:

Square yards of trap rock surface...7,500
Cubic yards earth excavation.....1,000
Lineal feet of 12-inch cast-iron pipe for sewers 480
Lineal feet of 12-inch vitrified tile.. 800
Catch basins 6

Specifications, blank proposals, etc., may be had by application at office of Board.

W. S. WOOD,
Secretary.

STONE ROADS.

Elizabeth, N. J.

Proposals are asked for the construction of Macadam Roads, on Walnut Avenue, from the Lehigh Valley Railroad, in Cranford Township, to Central Avenue, in Clark Township, and thence along Central Avenue to the present County Road, at Brant's Lane, all in the County of Union, N. J.

The length of the roadway is 6,313 lin. ft.

The width of the macadam is to be 16 ft.

The work is to be finished with an Amiesite surface.

The estimated quantities of the items of the work are as follows:

8-inch "Amiesite" Macadam, 10,054 sq. yds.
8-inch "Amiesite" Macadam, with old stone underneath, 1,636 sq. yds.
Excavation, 7,698 cu. yds.
Underdrains, 500 lin. ft.
Rock Excavation, 100 cu. yds.

Plans, profiles and specifications for this work may be examined at the office of the County Engineer, 130 Broad Street, Elizabeth, N. J.

Bidders must enclose with their bids a certified check for $1,000.00, made payable to the Director of the Board of Chosen Freeholders as a guarantee that if the contract be awarded to such bidder, the bidder will enter into an agreement with the Board of Freeholders for the carrying out of the work.

Bids for the above described work will be received by the County Road Committee of the Board of Chosen Freeholders of the County of Union, at the Court House, Elizabeth, N. J., at 2.30 P. M. on Thursday, June 10th, 1909.

The Board of Freeholders or its committee reserves the right to reject any or all bids, as they may deem best for the interests of the County.

JACOB L. BAUER,
County Engineer,
130 Broad Street, Elizabeth, N. J.

Alternative bid on above work.

Bids will also be received on the above named work, based on the use of Asphaltum Binder for the finishing of the surface, as per the specifications for the same, instead of the use of "Amiesite" for the top course.

STONE ROAD.

Elizabeth, N. J.

Sealed proposals will be received by the County Road Committee of the Board of Chosen Freeholders of the County of Union, N. J., at the Court House, Elizabeth, New Jersey, at 3.00 P. M., on Thursday, June 10, 1909, for the construction of a Macadam Road on Terrill Road, beginning at South Avenue and extending to Raritan Road.

The length of the roadway between said points is about 9,982 lineal feet. The width of the stone-work is sixteen (16) feet.

The estimated quantities of the work are as follows:

Excavations .....27,367 cu. yds.
Excavations outside road.. 2,306 cu. yds.
Macadam .....17,900 sq. yds.
Macadam driveways..... 240 sq. yds.
Belgian block gutters..... 44 sq. yds.

Plans, profiles and specifications for this work may be examined at the office of the County Engineer, 201 Park Avenue, Plainfield, New Jersey.

Bidders must enclose with their proposals a certified check for One Thousand Dollars ($1,000.00), made payable to the order of Benjamin King, Director of the Board of Chosen Freeholders of the County of Union, N. J., as a guarantee that if the contract be awarded to such bidder, the bidder will enter into an agreement with the Board of Chosen Freeholders of the County of Union for the performance of the work according to the specifications.

The said Board of Chosen Freeholders or its Committee reserves the right to reject any or all bids, as they may deem best for the interests of the County.

F. J. HUBBARD, County Engineer,
201 Park Avenue, Plainfield, N. J.

Situations Open

WANTED—Several good structural steel draftsmen and checkers for large contracting company in Greater N. Y. State fully nationality, experience, lowest salary required, and earliest date for reporting for work. Address "I. A. 20," Engineering News, New York. 20-1t

WANTED.—Experienced draftsmen and checkers on steel work for buildings and bridges by company located in the East. In replying give experience in full, also age and salary wanted. Address "Z. B. 20," Engineering News, New York. 20-1t

DRAFTSMEN WANTED.—Two experienced designers and three experienced detailers of structural steel for railroad work; also, two experienced designers for reinforced concrete; long job, probably permanent; Chicago railroad office; no agency. Address "B. B. 20," Engineering News, New York. 20-2t

WANTED.—HEAD DRAFTSMAN, man experienced in general machinery. To work on board, and handle six men under general instructions of Chief Engineer. Experience absolutely essential on jig work and general design. Further, experience in transmission, conveying, gears, etc., preferred. Good opportunity for live, capable man. Give full details of experience, salary expected, and positions previously held, naming employers in first letter. All information held strictly confidential. Immediate opening. THE HILL CLUTCH CO., Cleveland, Ohio. 20-tf

WANTED.—First-class draftsman for electrical, mechanical, architectural, reinforced concrete, and structural steel work. Applicants must furnish references, statement of experience, samples of work (blue prints), and state salary expected. Address CHIEF ENGINEER, Nisqually Power Plant, Tacoma, Wash. 20-2t

Miscellaneous Wants

WANTED

Sixteen to thirty HP.

Steam Hoist

double drum, without boiler. No objections to swinging gear. Apply JOHN T. CONWAY, Huntingdon Ave. and 28th St., Baltimore, Md. 20-1t

FOR SALE

FOR SALE.

½ and ¾ yd. Concrete Mixer, 2 Pulsometers, 2 Steam Rollers (light), Hoisting Engines, Buckets and Cars. Excellent condition. Bargains. Either New England or New York delivery. Address "Z. A. 20," Engineering News, New York. 20-1t

Look! Look!!

$45,000 worth of Contractor's Equipment

Bought new about one year ago
To be sold at bargain prices

Nine Hoisting Engines, Mc[illegible]rrison, 7 x 10 D. D. C. with b[illegible]
Nine 70 to 80' guy derrick[illegible]regon pine, complete with bull wheel[illegible]all fittings.
One Lidgerwood cableway, [illegible] span with 3 drum Lidgerwood engine[illegible] boiler and 50' towers.
Two Davenport locomotives, [illegible]ge, 7 x 12 saddle tank, 9 ton.
Twenty-four Koppel side du[illegible]steel cars, 24" gage; capacity, 1 yd.
Five 24" gage flat cars, S[illegible]form; capacity, 10 ton.
30 tons of 25-lb. T-rails, wit[illegible]tches.
One No. 5 Austin Gyratory [illegible]her with screen, 40' elevator, boiler [illegible]engine.
Five 50 HP. locomotive type [illegible]s, water front, water bottom, with [illegible] and fittings mounted on skids.
Two 25 HP. locomotive type boi[illegible]on skids.
Six Stuebner 1 yd. bottom dum[illegible]uckets.
Two Stuebner 2 yd. side dump [illegible]kets.
Twenty 1 yd. steel scale boxes.
One 1 yd. Hayward orange-peel bucket.
One 35' chain type Holmes & Blanchard elevator.
One generator, G. E., 10 KW., D. C., to self contained engine.
30,000' ⅜" galv. steel guy ropes.
One 12" Class M Lawrence Vortex belted pump.
One 10" side suction, Lawrence, Class B, belted.
Two 6" Lawrence, Class B, D. C., to 6" x 6" vertical engine.
One 4" pulsometer.
One 3½" pulsometer.
One Deane Pump, 16" × 10½" × 12", duplex piston.
One Knowles, 6" × 3" × 7" plunger.
Nine steam drills, E 24 Sargent Auxiliary valve 3¼".
Two Ingersoll-Rand A 86, 2½".
Six Dake swinging engines.
One Emerson rail bender.
One Chase saw mill complete with two saws, Glencove, 24" × 4" planer and matcher. One deep fire box boiler and 12" × 16" C. C. horizontal engine with 84" and 36" fly wheels.
Two No. 5 Smith mixers mounted on skids with engines.
One 36" band saw.

The above plant can be seen any day at the new Dam at Vernon, Vt., five minutes walk from the station. Sale price to include loading on cars.

Full particulars with prices may be had from

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